

47

The Architect & Building News

23 November 1980 V.218/21 1s. Weekly

Plans at Ancon, Peru

Post office, London

Public house, Upper Tulse Hill





BRADY

REGD.

ROLLER SHUTTERS

SLIDING SHUTTER DOORS



HAND LIFTS

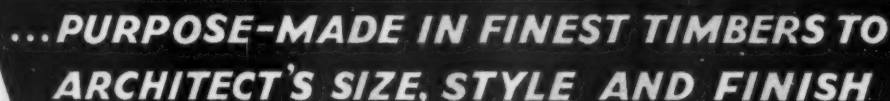
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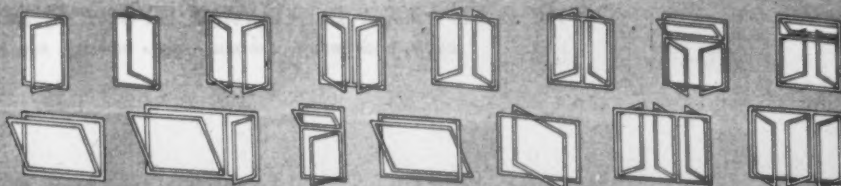
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RUBBER DOORS · ORNAMENTAL IRONWORK ALSO MANUFACTURERS OF BRADY LIFTS.

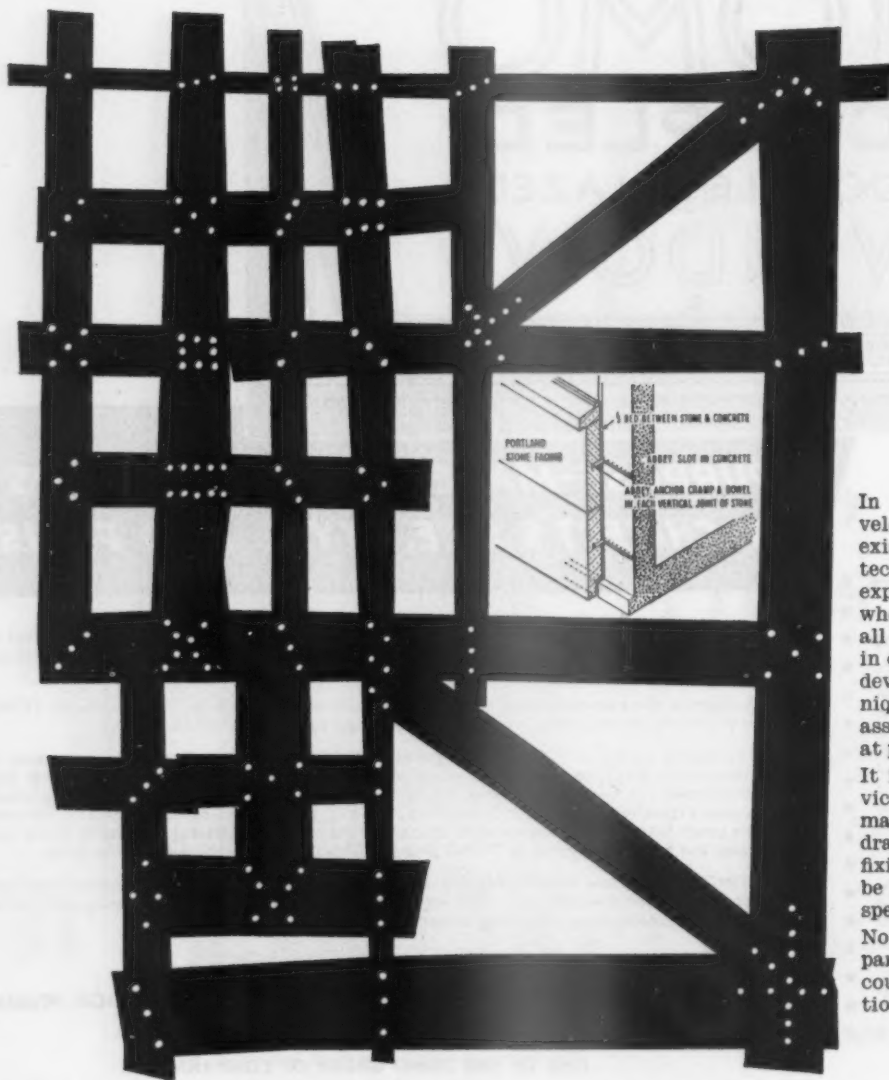
Stowe & Bowden



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OF STYLES!**



STONE AND THE ARCHITECT



In fact the Company's Development Drawing Office exist only to assist the architect. They are staffed by experienced senior technicians who are fully conversant with all aspects of stonework and in close touch with the latest developments in fixing techniques. They are qualified to assist and discuss stonework at project stage and after.

It is part of the normal service, of which many architects make use, to prepare detail drawings showing specialist fixing details, and these can be made available within a specified time.

No charge is made for any part of this service and, of course, it involves no obligation.

THE BATH AND PORTLAND STONE FIRMS, LIMITED

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traffic controller
for this underground car park

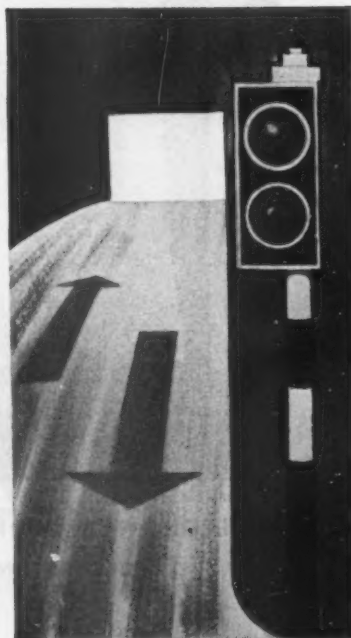


The increasing use of elevated and underground car parks, though solving the parking problem, sometimes creates problems of its own. Fortunately more and more authorities are realising that the ATE "Electro-matic" controller is the solution. This ingenious device acts as the driver's forward eye, enabling him to know exactly when to drive in or out—thus ensuring greater safety.

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AT10051

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a self-contained

SHOWER CUBICLE

**a space-saving
private bathroom
within the reach of
all your clients!**

The Leisure Shower Cubicle has been designed to stand anywhere without structural alterations of any kind. It is particularly useful in flatlets, where space is so precious. What does the Leisure Shower Cubicle offer? An attractive shower curtain seals off the gleaming white and black enamel interior from the outside room. The spotlight glass panel, set into the roof, provides plenty of light. A twist of the anti-scald mixer tap gives instant hot or cold showers. The chrome flexible pipe can be transferred to the washbasin, which together with the mirror and glass holder is an optional accessory. The Leisure Shower Cubicle is soundly constructed in pressed steel, and is easy to install. Prices have been kept to a minimum so that all can benefit from this unique piece of home equipment.

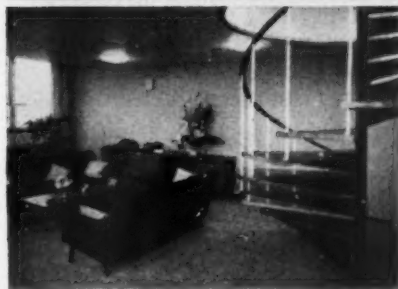
PRICES FROM £43.4.6 (undrilled)
TO £58.3.3 (complete with all accessories)

THE LEISURE SHOWER CUBICLE IS MADE BY LEISURE KITCHEN EQUIPMENT LTD
NOTTINGHAM ROAD • LONG EATON • N^r NOTTINGHAM • A DIVISION OF  ALLIED IRONFOUNDERS

Castrol House well-lit through 'Perspex'



Architects: Gollins, Melvin, Ward & Partners Gen. Engrs.: Edward A. Pearce & Partners



The Vista Lounge on the top floor of Castrol House showing small ceiling lighting fittings moulded from 'Perspex' acrylic sheet by Frederick Thomas & Co., Stanhope St., London, N.W.1.



The DAEMPA ceilings throughout Castrol House are fitted with continuous trough cold cathode lighting with diffusers made from diamond pattern 'Perspex' acrylic sheet by Ionlite Limited, Scrubs Lane, London, N.W.10.

Exterior of Castrol House built for Castrol Limited, Marylebone Road, N.W.1, showing the very large installations of cold cathode fluorescent lighting fittings made by Ionlite Limited, Scrubs Lane, London, N.W.10. The continuous trough fittings all have diffusers made from diamond pattern 'Perspex' acrylic sheet.

IONLITE LIMITED chose 'Perspex' acrylic sheet for the diffusers on the cold cathode lighting fittings recently installed in the 'Daempa' aluminium suspended ceilings in Castrol House. The covers are shaped from patterned 'Perspex' acrylic sheet, to diffuse the light and to secure a smooth integrated appearance throughout the installation. By using 'Perspex', Ionlite Limited were able to select, from the wide range of colours and finishes now available, the material best suited to the different types of fitting necessary in this installation. The use of 'Perspex' made it possible to produce these specially designed covers economically without high tool costs.

For the specially designed ceiling fittings made by Frederick Thomas & Co. for the Vista Lounge, 'Perspex' was specified for the diffusers.

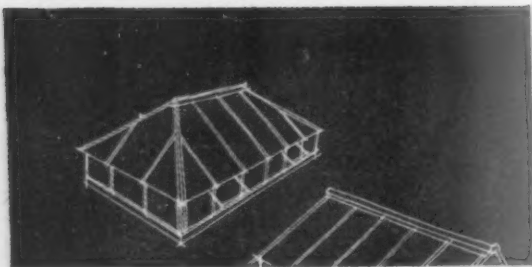
The advantages of 'Perspex' illustrated in this very large installation are equally applicable to your own lighting problems.

'PERSPEX'

'Perspex' is the registered trade mark for the acrylic sheet manufactured by I.C.I.

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about

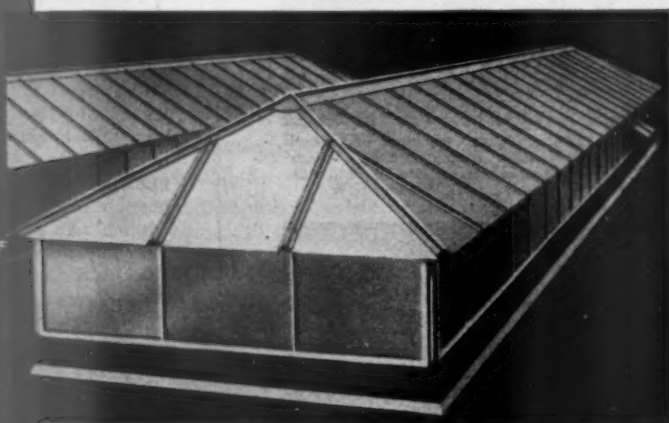
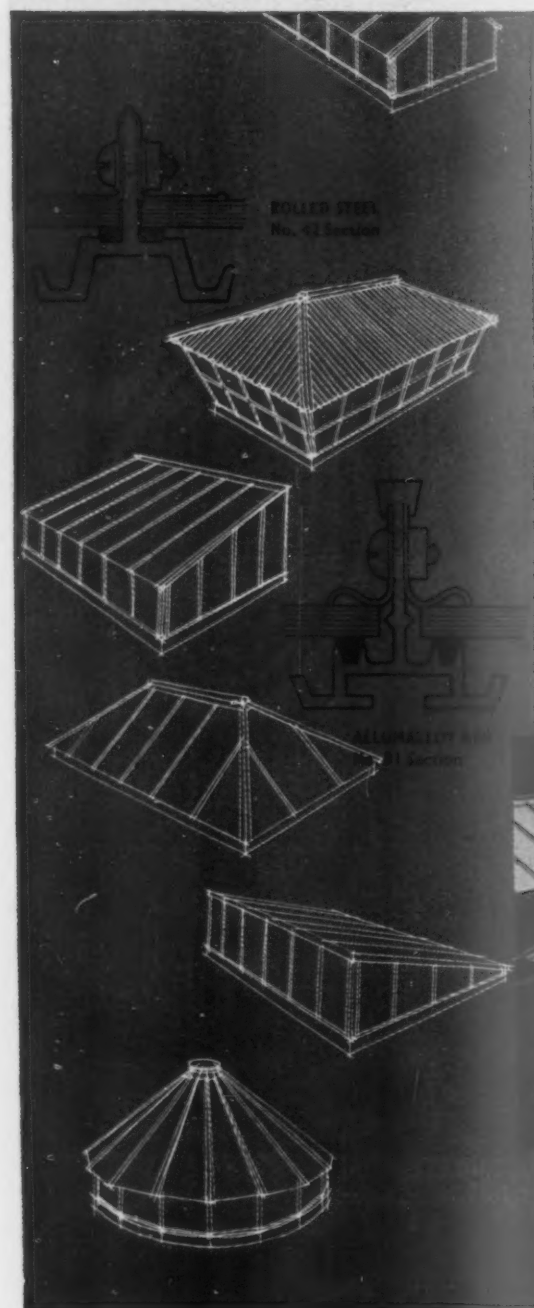
"REFORM" ROOF LIGHTS

at the

planning stage

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P5273



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modern architecture
and bigger, finer
buildings are changing
the face of Britain...

but **Fosalsil**
remains the
basis of modern
flue
construction

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Architects: Messrs. J. S. Gibson, Gordon & Montagu

Contractors: Messrs. Trollope & Colls Ltd.

FOSALSIL flue bricks were used throughout

Fosalsil

Made only by MOLER PRODUCTS LIMITED,
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Our Lady of Fatima
Harlow, Essex.

Architect:
G. T. Goalen Esq.,
B. Arch., A.R.I.B.A., A.M.T.P.I.



All windows to this church, including three 13'-0" diameter rose windows, of which one is illustrated in the photograph, were manufactured and fixed by us in our standard Portland Stone mix and finish.

Our comprehensive Brochure P.47 gives details and information of all Glascrete constructions. There is a construction to suit any type of structure and the services of our technical department are at your disposal.

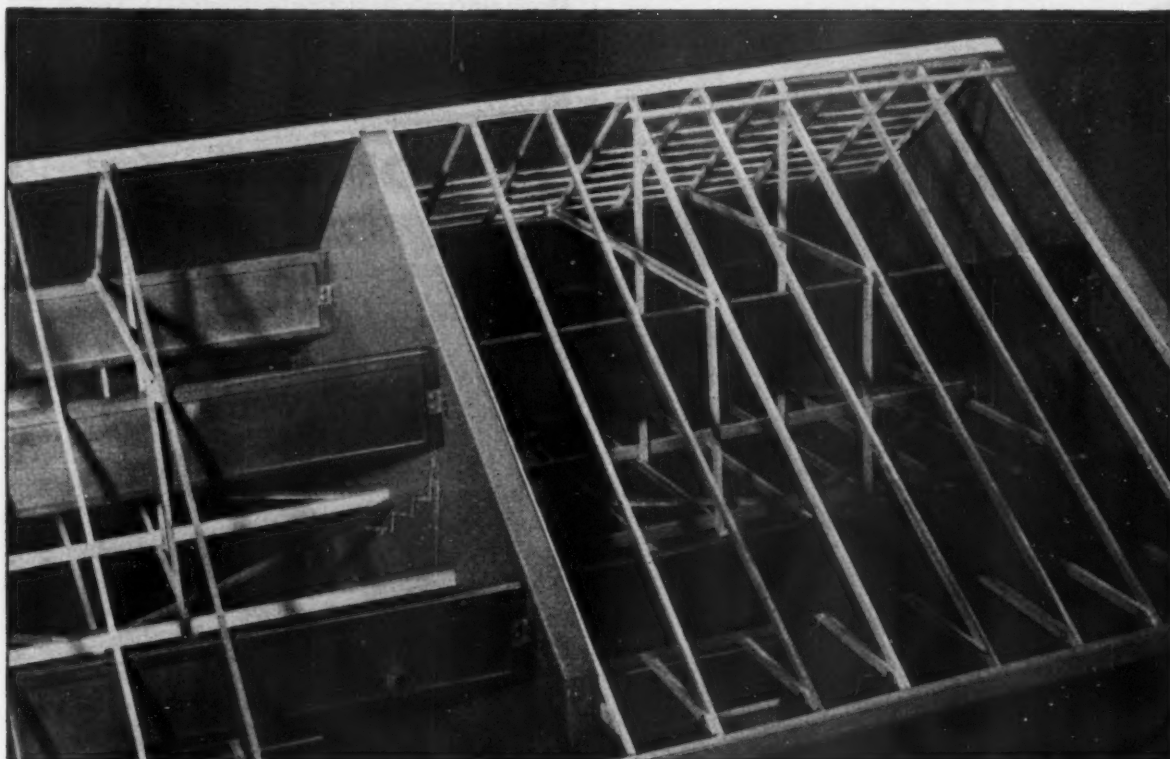
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Special roof designs for cross-wall construction have been prepared by the TDA. A folder containing plans of these, and further information, will be sent on request.

For full details of timber cross-wall roofing or timber curtain walling

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DOOR

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make the lot....

a lot better!

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Perfectly**

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ARBOMAST 500

the mastic that masters modern
CURTAIN WALLING work.

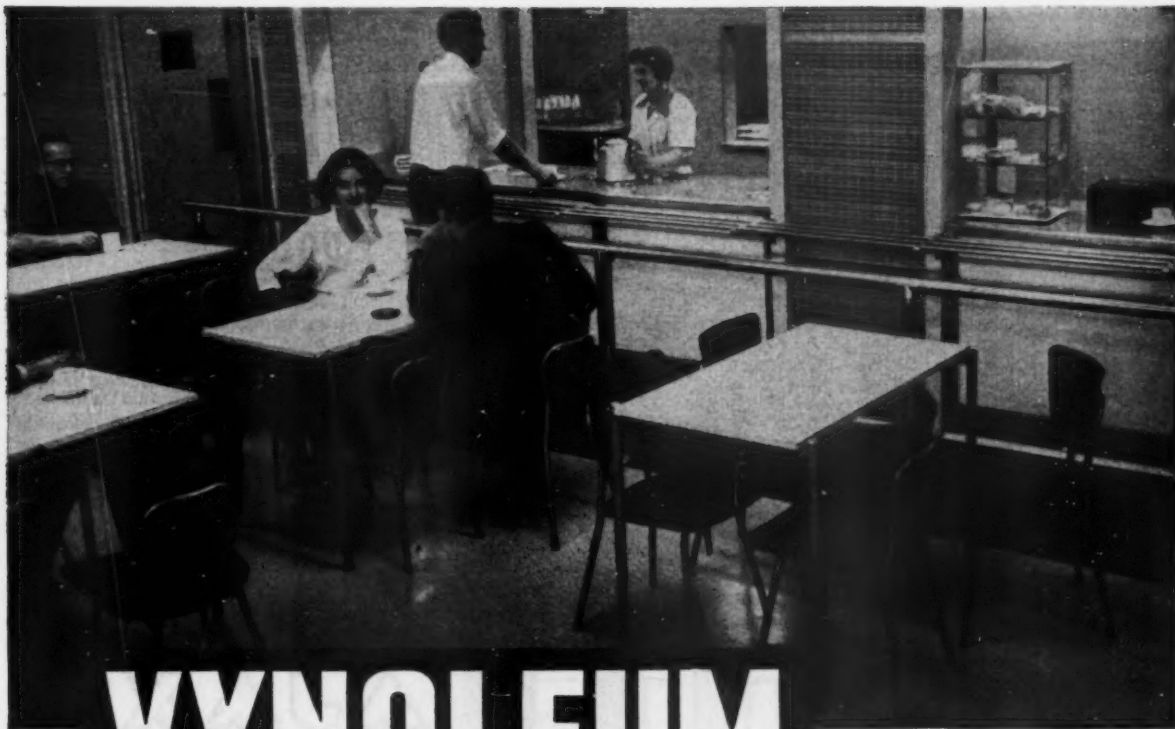
Developed specifically for fixing double-glazing units, sealing-in panels and glass in conjunction with beading, ARBOMAST 500 adheres positively and permanently. It is self-sealing and withstands the rigours of expansion and contraction.



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**THE FLOOR COVERING
WITH TWO 'BEST SIDES'**

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Tough. Resistant and hard-
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Vynoleum can be laid, from 21/- per yard super, by one of our
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High wear resistance.
Co-efficient of wear 0.79*
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below by 24%—to room
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Telephone: ABBey 5911



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W. Marmorek, F.R.I.B.A.

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**ANODISED
ALUMINIUM
DOORS**

AJAX doors are produced in standard sizes for openings 7' 0" in height and 3' 0", 5' 0" and 6' 0" in width — for hanging on butts or mounting on single or double acting floor springs in your own or AJAX Combination Doorframes.

They are anodised self colour as standard but gold and black doors are supplied to special order. They can also be finished in enamel and beads can be supplied in contrasting colour.

The price is comparable to that of a good quality polished hardwood product and includes locks, bolts and handles as standard.

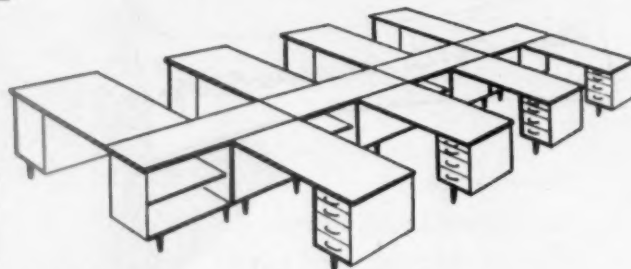
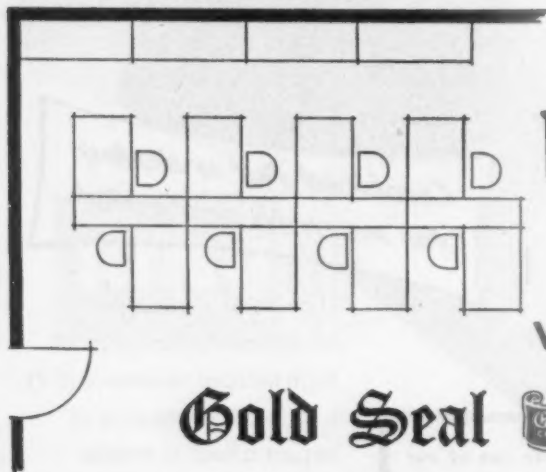
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AJAX ALUMINIUM LTD · KANGLEY BRIDGE ROAD · LOWER SYDENHAM · S.E.26 · SYD 3222

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YOUR OFFICE
TO FIT THE WORK



WITH

Gold Seal  **MODULAR**

WOOD OFFICE FURNITURE

Make the most of your available space and plan the flow of work by using GOLD SEAL MODULAR Units, designed for efficiency with style. The word MODULAR typed on your heading paper is all we need for you to receive illustrated details and the name of your nearest Stockist.

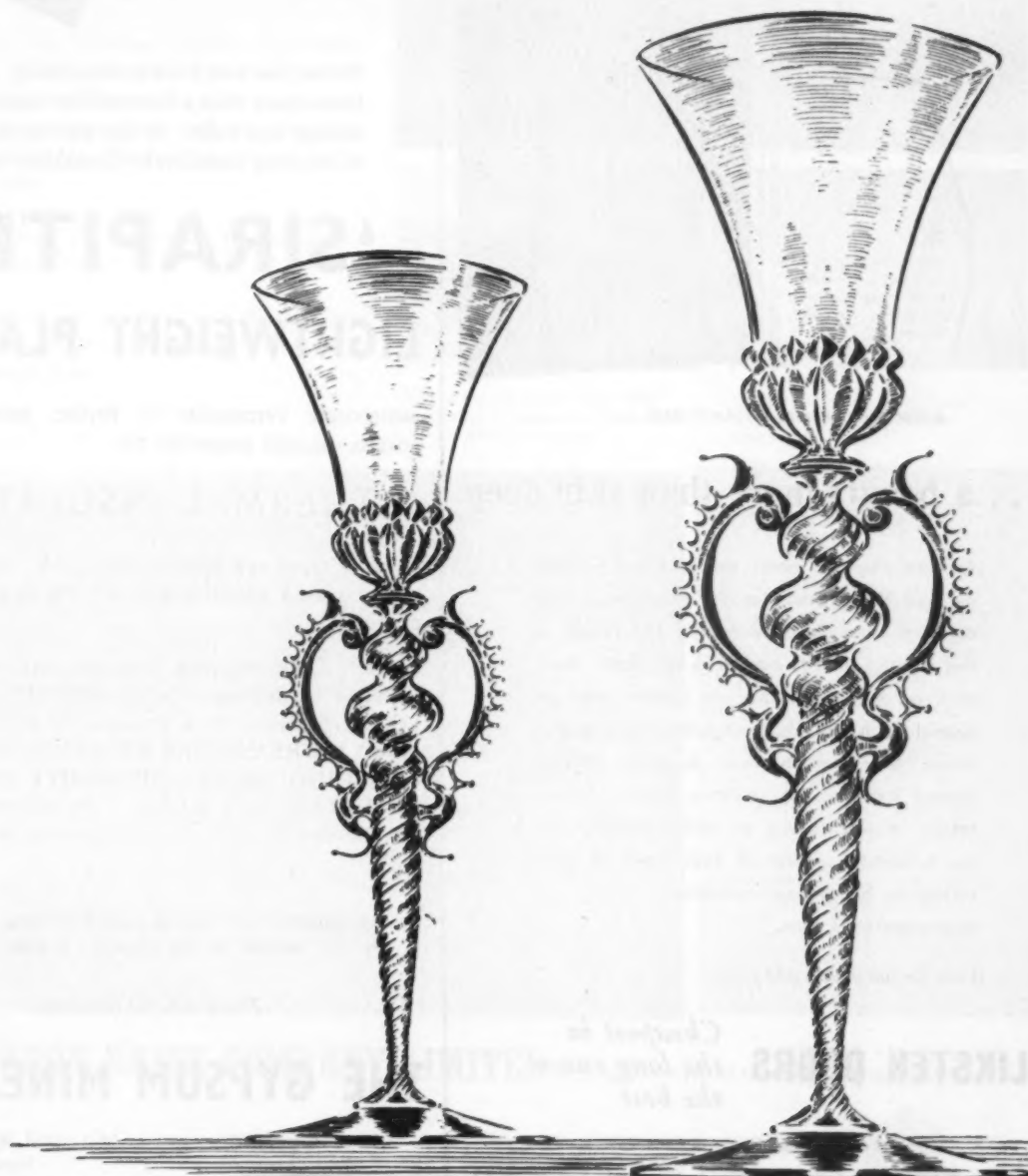
MOSS PARTNERS (LONDON) LIMITED, Ponders End, Middlesex. Tel. HOWard 2714

There's a world of difference ...

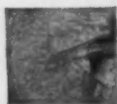
At first glance, both share the grace that one associates with Venetian glass, but only the expert will detect the extra lustre and the delicacy that distinguishes the Venetian master's product from the imitation.

SECOMASTIC joint sealant has, for many years, been chosen by architects in more than forty countries throughout the world. In many cases, SECOMASTIC has been specified in preference to the locally produced, cheaper mastics, because SECOMASTIC has been established, by actual use extending over many years, as a completely reliable product, with a life and performance which put it in a separate class to any similar product.

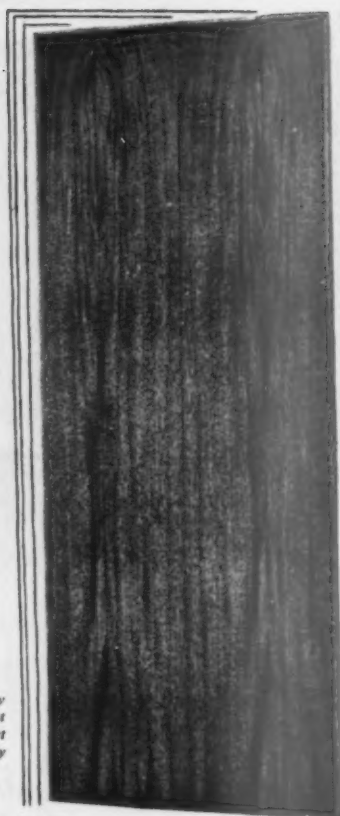
Architects are invited to send for our publication, "The Use of Mastics in Building", which embodies a code of good practice relative to the use of mastic sealants.



The attributes of beauty*



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"properties gracefully combined in an object so as to please or attract the senses, especially the eye..."



a true description of a Gliksten door.

... a beauty more than skin deep

Gliksten Mark 12 doors are faced with superbly matched West African cedar veneer giving each door an attractive individuality. The beauty of this Gliksten door is more than skin deep. Built, as it is, on the principle that stability does not depend upon individual components but upon a choice of reasonably inert materials perfectly bonded together, the resulting interior ensures beauty of construction as well. Glikstens are the foremost suppliers of flush doors to local authorities, builders and contractors.

Guaranteed for 3 years.

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LIGHTWEIGHT PLASTERS

incorporate Vermiculite or Perlite, materials which possess valuable properties for

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Some of these new plasters have a 'K' value of 1.0 to 1.5, as against approximately 4.5, the figure for sanded plasters.

Apart from reducing heat loss and condensation, 'Sirapite' Lightweight Plasters REDUCE THE DEAD LOAD of plaster on a structure by as much as two-thirds; INCREASE FIRE RESISTANCE; MINIMISE CRACKING; ensure UNIFORMITY OF MIX, and FACILITATE SITE WORK. The material only needs the addition of clean water; mixing can be done under cover.

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THE ADVANTAGES

STRENGTH. The Hollow Tile Beam Floor possesses great strength combined with light self-weight. The good bonding between the concrete and the grooved blocks ensures that the stresses from concentrated loads are well spread over the structure.

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SERVICES. Conduit for services is buried in the structural concrete screed.

FIRE RESISTANCE. The Hollow Tile Beam Floor using 'Phorpres' Hollow Clay Units gives excellent resistance against fire.

The Pre-cast Hollow Tile Beam Floor

The Bondura system uses special 'Phorpres' Clay Blocks built into units of specified length and a standard width of 1' 4" on site. The units are built as walls, each 'wall' comprising three units with sand joints between them.



The unit remains on the trolley until placed in position when the intermediate joints are filled with mortar.

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After the services have been placed on the floor a structural concrete screed is laid.



We wish to thank Brick Flooring Constructions Limited, for their co-operation in supplying the illustrations for this advertisement. Brick Flooring Constructions Ltd., 1 Surbiton Crescent, Kingston-upon-Thames, Surrey.

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FLOOR IS A
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BY APPOINTMENT
TO HER MAJESTY QUEEN ELIZABETH II
BRICK MAKERS



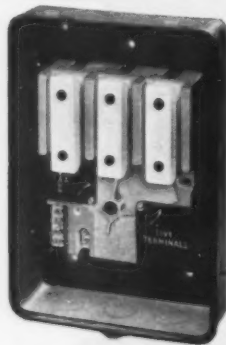
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all contractors and
consulting engineers
will want to use
these **NEW**

"HIDUTAC" SWITCHFUSES

**SINGLE POLE AND NEUTRAL - DOUBLE POLE -
TRIPLE POLE - TRIPLE POLE AND NEUTRAL**

Men whose business it is to assess and advise are quick to appreciate the very real advantages offered by G.E.C.'s new Hidutac switchfuses. Unlimited full load switching. High breaking capacity. High fault current protection. Absolute safety. These are the performance features that the experts like so much, but they also welcome the smaller size and the good looks of this advanced range of switchfuses. As it is made by G.E.C., they naturally take its reliability for granted.



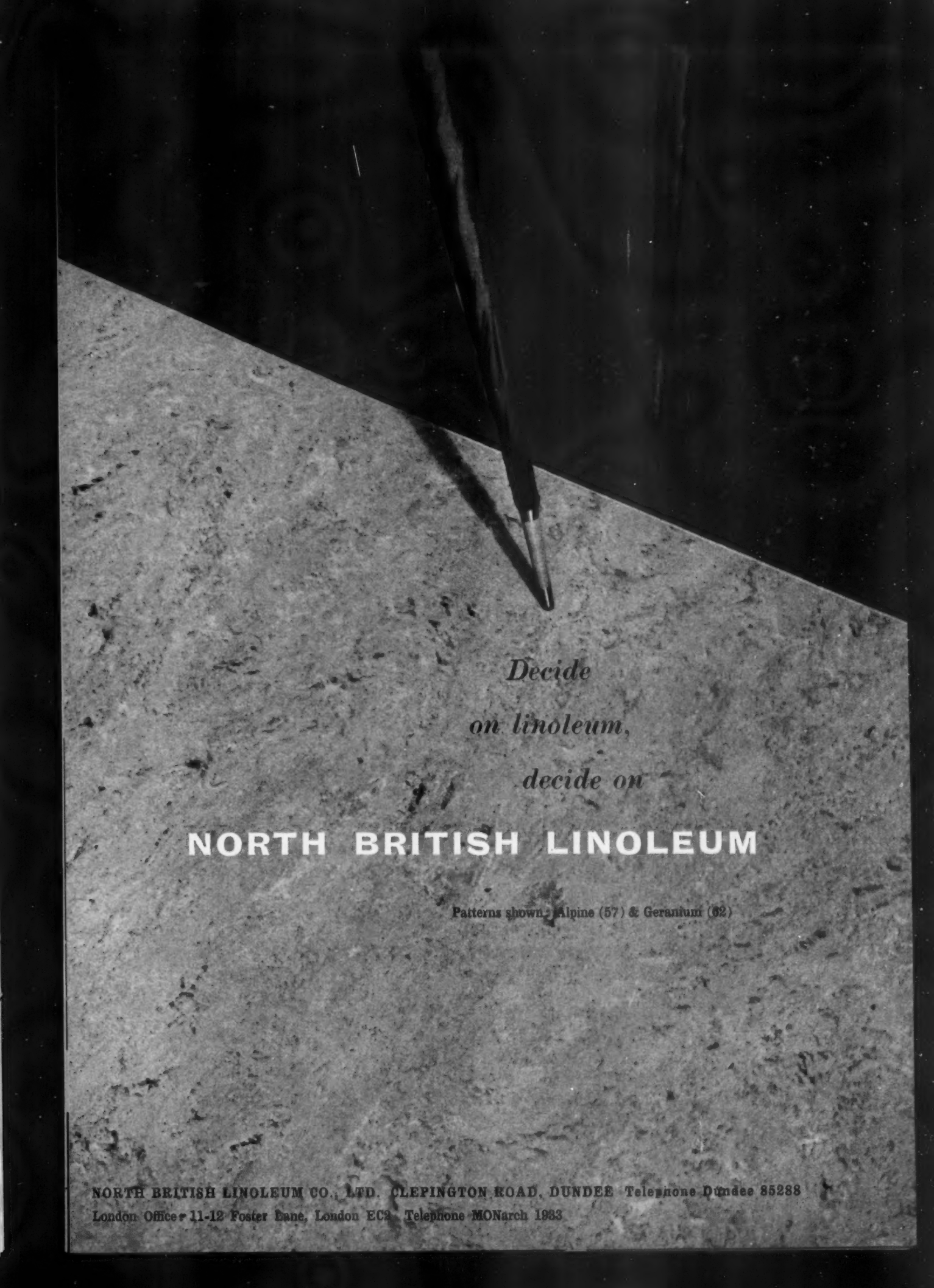
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Patterns shown: Alpine (57) & Geranium (62)

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THE PLUMBER finds it easiest of all to fit; the concealed fixing is neat and simple.

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USE IT...



THE CUSTOMER is delighted to discover that such a handsome cistern also has the most discreetly quiet and dependable mechanism she's ever encountered.

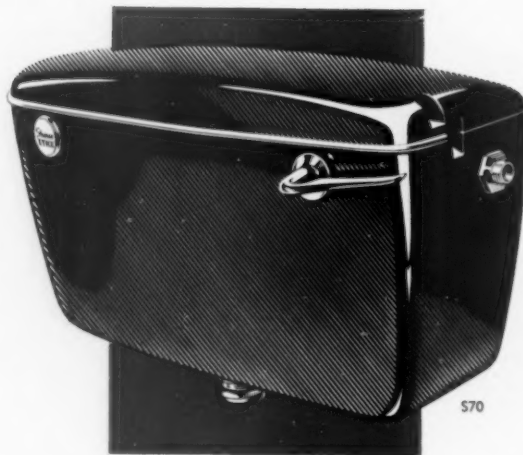
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ACCLAIM

THE LYNX

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Fine **WOOD WINDOWS**

**FOR PUBLIC BUILDINGS, FLATS
AND HOUSING DEVELOPMENT**

CASEMENT

SLIDING SASH

PIVOT HUNG

Wood windows reduce heat losses, sound transmission, condensation. And with wood windows you get quick delivery.

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GOLDHANGER MALDON, BEELEIGH
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or to Architect's design.

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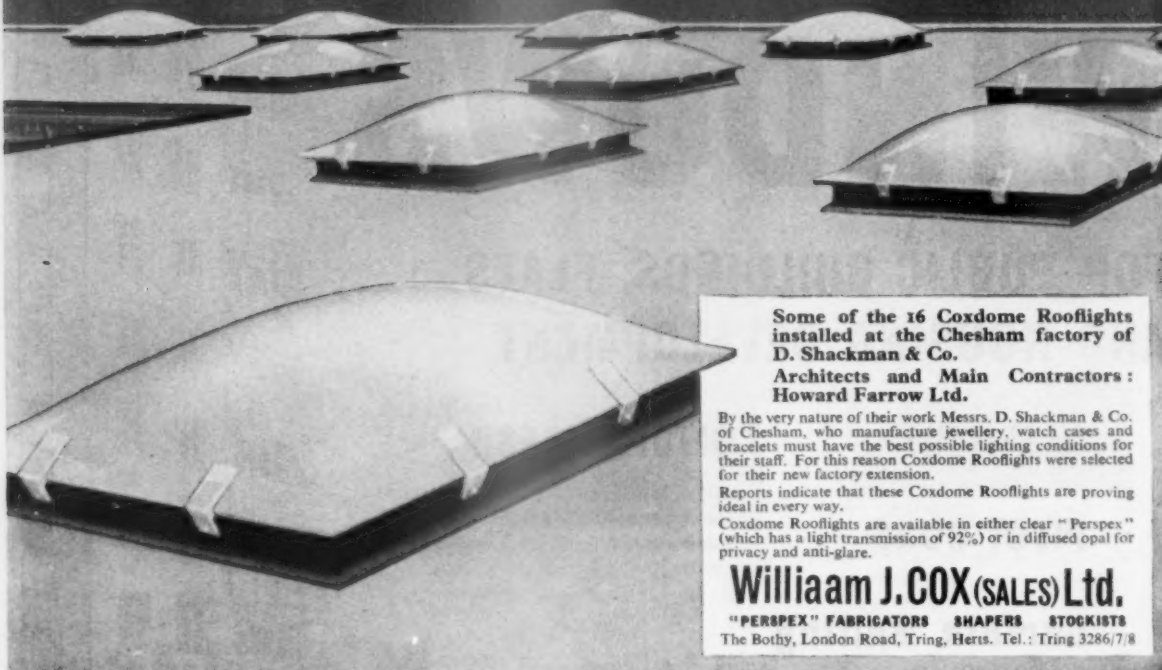
Telephone: Maldon 941

London Office:

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Telephone: Chancery 7214



COXDOMES**FOR ADDED LIGHT**

Some of the 16 Coxdome Rooflights installed at the Chesham factory of D. Shackman & Co.

Architects and Main Contractors : Howard Farrow Ltd.

By the very nature of their work Messrs. D. Shackman & Co. of Chesham, who manufacture jewellery, watch cases and bracelets must have the best possible lighting conditions for their staff. For this reason Coxdome Rooflights were selected for their new factory extension.

Reports indicate that these Coxdome Rooflights are proving ideal in every way.

Coxdome Rooflights are available in either clear "Perspex" (which has a light transmission of 92%) or in diffused opal for privacy and anti-glare.

William J. COX (SALES) Ltd.

"PERSPEX" FABRICATORS SHAPERS STOCKISTS

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Phenco vinyl-plastic flooring possesses just about every virtue a hospital could ask for. It is so resilient and comfortable to the feet. It stands up to both sudden impact (dropped trays!) and prolonged hard wear (all that coming and going). It is impervious to liquids from castor oil to spilt milk. It is non-slip, non-staining and virtually fireproof. It dampens noise wherever it is laid. Finally, it can be welded to make a jointless surface, it can't harbour dirt and is wonderfully easy to clean. Could you ask for anything more?

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For further details, write or phone :
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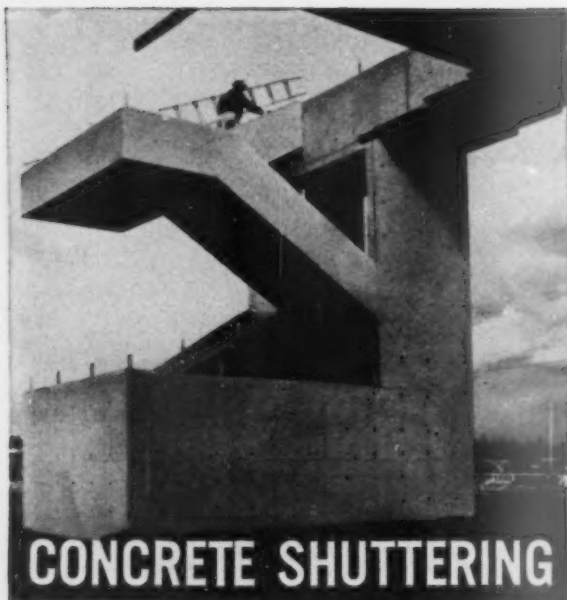
SUPER SNOWCEM

WATERPROOF CEMENT PAINT

**makes a
well-designed house
even better**

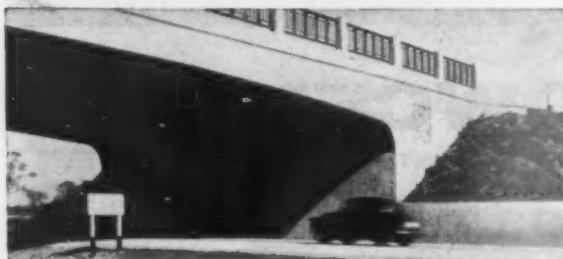


Super Snowcem—like many of the walls it decorates and protects—has a base of cement that sets rock hard. That's why architects specify Super Snowcem. They know that when it comes to the painting of outside walls, no paint in the world does the job so effectively, so economically as Super Snowcem.



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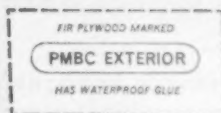
Canadian Douglas Fir Plywood is an excellent, low-cost material for shuttering work. Large 8' x 4' panels can provide unbroken concrete surfaces and reduce the amount of complicated joinery often necessary with concrete form work. Shuttering made with Fir Plywood is economical because it can be used many times. It stands up to rugged outdoor use. Only 100% waterproof and boilproof glue is used in the production of Fir Plywood edge-marked **PMBC EXTERIOR**. For intricate forms or for conventional shuttering, lightweight, waterproof glue Fir Plywood saves money for the builder.



Canadian Fir Plywood shuttering is used on the construction of many bridges like this one where low cost and fine finish are important. There are many grades and thicknesses of Fir Plywood to suit all concrete form and construction jobs.

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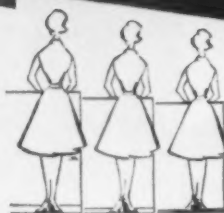
For technical data on Canadian Fir Plywood, write to the
PLYWOOD MANUFACTURERS ASSOCIATION OF
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4 Carmelite Street, London, E.C.4.



80-PA-1

HOLLINS "THREE HEIGHT" KITCHEN UNITS

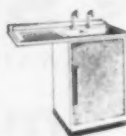
— they're designed for the house



and for the
housewife!



36 different
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The Hollins range of kitchen units is designed to provide the housewife with the maximum working surface at the most comfortable working height. This is achieved by a standard range of base units from 17" up to 9' 0" at 6" intervals, two depths, 18" and 21" and adjustable bases to give heights of 35½", 34½" or 33½". Jointless tops are fitted to all units up to 9' 0".

Sink tops are available in Vitreous or Stainless Steel, and waste plugs and chains are fitted.

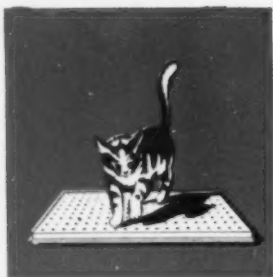
Sliding doors run in plastic channels and are protected on their leading edge by polished aluminium strips. Shelves are adjustable.

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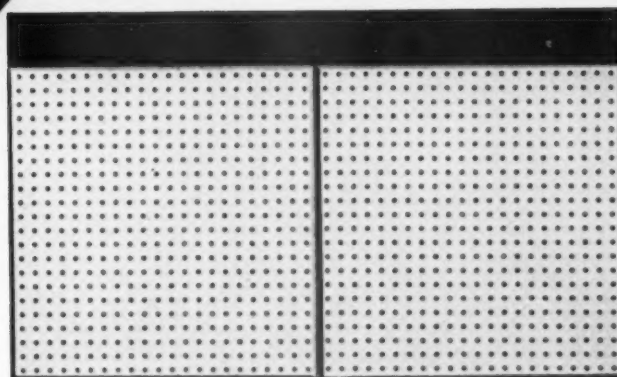
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S.P.U.R.

The Architect & Building News, 23 November 1960



for the Architect

SIMPLICITY

Spur shelving system can be erected easily without skilled labour.

ADAPTABILITY

The position of Spur shelf brackets can be easily and rapidly changed as layout and shelving requirements alter. The shelf brackets are simply moved to other slots.

ATTRACTIVE

Spur shelving looks good and is made in attractive colours.

STRENGTH

Spur is scientifically built for the job and will take heavy loads.

ECONOMY

Spur saves erection costs and enables maximum use to be made of space.

SPUR to new ideas. Spur to better shelving. Spur to progress in design through this most modern and versatile shelving system!

Have you considered Spur? It is full of new possibilities for the architect—not only for shelving but for many other problems of support such as tables, desks and counter tops.

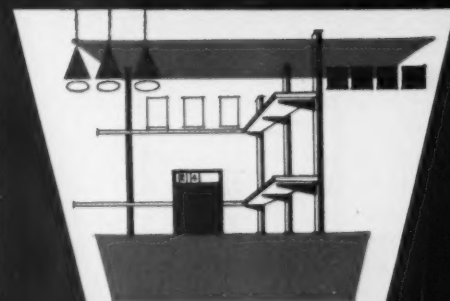
How SPUR shelving works

Spur relies on simple, detachable cantilever brackets. These are clipped into slotted 14 gauge steel uprights of U-Channel section. When shelving requirements alter—the brackets are simply moved to new positions—hence the countless applications for Spur in shops, stores, warehouses, libraries, laboratories, workshops and the home.

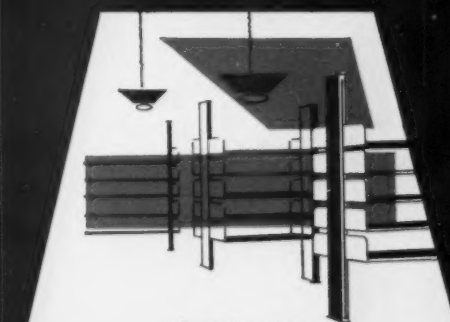
How SPUR helps design

As a feature of design alone—apart from their functional aspect—Spur units add a new and striking touch to any interior. Apart from the standard wall uprights, Spur double-sided uprights are made—ideal for room sub-division. Special Spur fitments are available for the most specialised shelving requirements, and brackets are made in standard and sloping types and in a range of sizes.

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for libraries



for stores

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Write for this full and informative brochure which gives you full specifications and goes into detail on all SPUR units and fitments.

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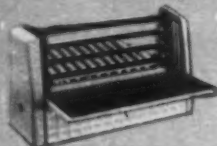
An actual sample of SPUR will be sent on request to enable you to study its scope for yourself.

Specify the **SPUR** system for shelving

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SPECIFY SOFONO CONVECTOR MK II

VARIOUS FIRES WHICH CAN BE FITTED TO THESE APPLIANCES



FULL-VIEW



GRANGE



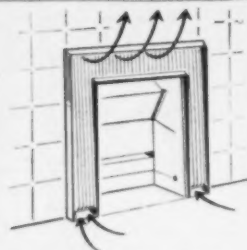
LO-FRONT



LOW-VIEW



RURAL



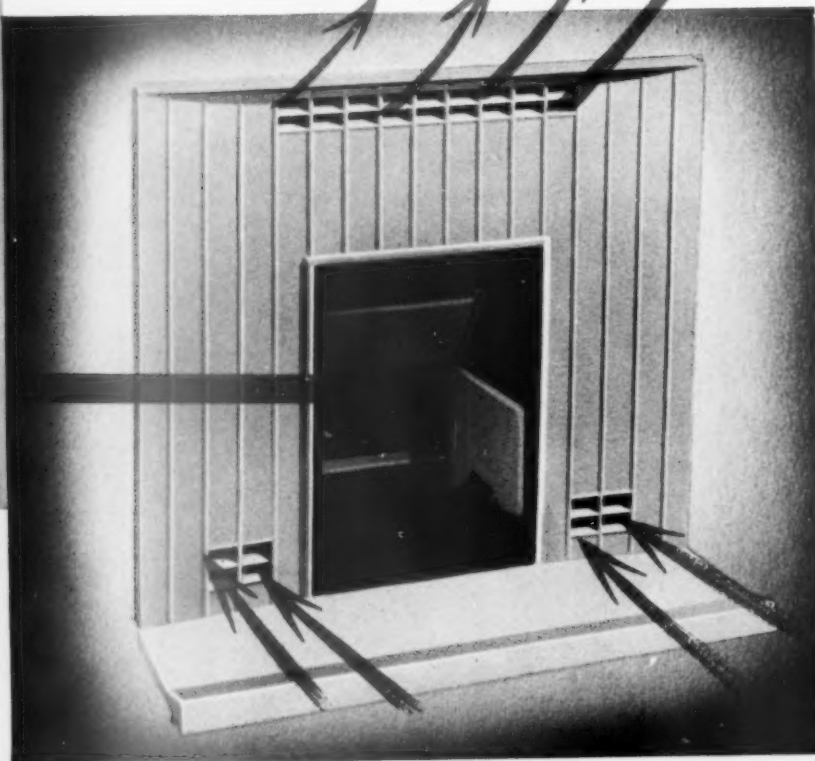
THE SOFONO SELF-CONVECTING INTERIOR FRAME

Specially designed for use with the CONVECTOR MK. II, this vitreous enamelled cast-iron self-convecting interior frame with a reeded surface pattern incorporates unobtrusive inlet and outlet grilles. Available in 8 colours.

Materials, Finish: Cast-iron. Refractory lined firebox. Vitreous enamelled fire. Choice of 8 colours. Single-cased construction. **Non-boiler Model:** Radiation/convection for 2,250 cu. ft.; radiation only for 1,750 cu. ft. *plus* background heating for 2,000 cu. ft. **Boiler model:** Radiation/convection for 2,000 cu. ft.; radiation only for 1,500 cu. ft. *plus* background heating for 1,200 cu. ft. Above figures are for traditional insulation standards. Higher space heating outputs where Egerton insulation standards apply. Hot water from 25/30 gallon cylinder. Alternatively serves 45 sq. ft. of radiators. Adjustable throat restrictor incorporated. **Fire:** Any 16" Sofono continuous fire may be used. Luminous flame gas ignition burner available. Cast-iron or wrought-welded steel boiler has hand holes and can be supplied bower-barffed. Drilled, tapped, 1" B.S.P. one side. Reversible for left or right hand connection. **Combustion Control:** Adjustable ashpit door to fire. **Installation:** Brick opening 22½" wide x 13½" deep x 33½" high, hearth to underside of concrete lintel. Sheet steel liner available for brick opening. **Total Heat to Room of Installation.** Can be installed behind tiles with inlet and outlet grilles slatted in a faience return to fireblock, or with Sofono contemporary self-convecting interior frame. Opening with faience return: 16" wide x 22" or 24" high. Opening with self-convecting interior frame: 20" wide x 28" high. Can be installed behind Sofono contemporary self-convecting cast-iron enamelled surround. **Multi-room Heating:** When air is ducted to room behind or above, inlet **MUST** come from neutral source, and outlet grilles **MUST** be closeable. **Tools, Accessories:** Ashpan and tool for combustion control, lifting ashpan, operating boiler damper and throat restrictor.



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building regulations

THE most important item of the Public Health Bill is the proposal to abolish building byelaws at present made by boroughs and by urban and rural district councils and to replace them with mandatory building regulations which will apply to the whole country—the LCC area apart. Under the Bill, the Minister of Housing and Local Government is to make the regulations which will be administered by local authorities. The Minister would be advised in regard to the regulations by a Building Regulations Advisory Committee and, we understand, a working party has already been set up.

The Bill proposes that power to waive particular regulations to meet special circumstances will be exercised by local authorities or, in certain circumstances, by the Minister himself. There will also be the right of appeal to the Minister in cases where a local authority refuses its right to exercise a waiver.

The principle of standard regulations applied nationally has obvious advantages over the present haphazard and permissive adherence of local authorities to the Model Byelaws, which are also cumbersome to change. But it will be more than ever important, if the Bill becomes an Act, that the new regulations are as good as can be devised.

The regulations should be clear and simple and be based on fundamentals. Besides minimum standards, basic principles to be followed should be the criteria, leaving the method used to meet these principles to ingenuity in design. The Day-lighting Code, for example, has improved standards of lighting and encouraged at the same time freedom and openness of massing. Other codes aimed to provide basic standards of performance but giving freedom of design might be suitable for certain types of structure and certain aspects of cladding such as heating, sound insulation and fireproofing. It is hoped that standards for ventilation will cover currently controversial problems like internal bathrooms and internal kitchens. It must be remembered, however, that a code type of regulation would call for greater intelligence in administration than simple rule-of-thumb byelaws.

Some really fundamental thinking is needed on the regulations and it is hoped that the new advisory committee will contain men of the right calibre from all parts of the industry. No doubt draft regulations will be widely circulated for comment. In the meantime, the RIBA and the Institute of Builders might well make early representation to the Minister if they have constructive suggestions to make which might assist the working party now rather than later.

Yamasaki in London

Mr. Minoru Yamasaki, the well-known American architect, gave the first Marley Lecture under the auspices of the Yerbury Foundation at the RIBA last week, and filled the hall. He spoke with great modesty and charm of his personal views on architecture and later, to the accompaniment of many beautiful slides, of his own work. The highlight of his talk was a brilliant description, without slides but with many eloquent gestures, of a new restaurant which he recently visited in Japan. Mr. Yamasaki excels at what he calls 'show-off' buildings; that is to say, prestige buildings designed for organizations which wish to catch the eye of the passing public, whether it be to demonstrate the architectural possibilities of some material, such as aluminium or concrete, or merely to advertise a firm's existence.

He is, without doubt, the leader of the current 'jewel-box' style of American architecture. Seen separately, many of his buildings are quite delicious, combining a Japanese serenity, which he says is partly inborn and partly the result of a conscious study of traditional Japanese architecture, with the results of having an inquiring mind on modern techniques. Yamasaki and his associates have virtually given up building in steel, because they have found that concrete is so much more fun.

Looking at their buildings, one realizes that the architects have had fun all along the line. They have been accused of

building in Venetian gothic and some of their buildings bear more than a slight reminder of this style. The criticism is not really valid, however, for the Yamasaki arcades are a logical development of the structural use of precast concrete.

Beautiful though many of these buildings are, I found that seeing too many one after the other gave me the kind of indigestion one gets from too much over-rich food. I reflected, however, that the United States is a very large place and that Yamasaki is not as thick on the ground as it would seem from his excellent slides. Mr. Owen Aisher was in the chair at the meeting, with Mr. Bryan Westwood, chairman of the trustees of the Yerbury Foundation, as runner-up.

After the talk questions were put to Mr. Yamasaki by Sir Hugh Casson—who suggested that his only qualification for being there was that he was roughly the same size as Mr. Yamasaki—Mr. Peter Shephard and Mr. Percy Johnson-Marshall.

One of the shocks of the evening was when Mr. Yamasaki came down strongly against the architect's importance in the comprehensive plan. Each architect, he said, should make the best of the site he is given. He suggested that the three-dimensional planning of sites could not and should not be controlled.

On the evening before the lecture Mr. and Mrs. Yamasaki were entertained at a small party given by the Yerbury Foundation at the Soane Museum. The Foundation and The Marley Tile Co. are to be congratulated on the success of the visit.

Seating arrangement in the buffet lounge on C deck and a general view of the new British Railways Channel Islands ship, *Caesarea*



British Railways at sea

My pictures show two views of the new BR Channel Islands ship *Caesarea* which made an inaugural voyage last week from Weymouth to Southampton before going into service early in December between Weymouth and St. Helier. She is the largest ship to be built for this service and the largest that can be handled in St. Helier Harbour. She is a one-class ship and will carry 1,400 passengers; with seats under cover for everyone. The fact that she has been designed for maximum capacity on a minimum length shows in her general appearance and no-one would call her a beautiful, nor yet a handsome, ship. Even allowing for the difficulties of the designer's brief, her external appearance and the design of such things as deck fittings could have been very much better. BR marine engineers do not seem to have heard of Scandinavian passenger ship design.

SS *Caesarea* (the Roman name for Jersey) is, however, interesting because, for the first time, the architect to the British Transport Commission has had a hand in the interior design of one of the Commission's ships. The public rooms, excluding the lavatories, have been designed by Dr. F. F. C. Curtis, ARIBA, and his staff. Working under considerable difficulties with an unusually low deckhead height, they have contrived to produce a surprisingly distinguished set of pleasant, simple interiors, eminently suitable for a ship. To provide continuity of atmosphere the same linoleum floor covering and the same acoustic ceiling is used throughout. The walls are panelled with very well-chosen timbers in large sheets. Such fittings, clocks, etc., as the architects have been able to control are well chosen. The architects had no share in the planning of the accommodation, nor in the design and decoration of the lavatories which are, to say the least, unimpressive. In the dining saloon and on the staircase the panelling is decorated with elegant murals by Mr. Clarence Wilson. Once away from the public rooms, however, the design standard drops sharply. The deck seats, for example, show no progress in design from paddle boat days and are uncomfortable and hideous.

A sister ship, SS *Sarnia* (Roman for Guernsey), is nearing completion. Her public rooms are being designed by Ward and Austin.

Designer's return

It is good to hear that Mr. A. B. Read, RDI, is back with Troughton and Young (lighting). He used to be seen everywhere in the design world of London before he left T. & Y. to go to Carters of Poole. Buried in Dorset, we envied him but missed him as well. Now he will act as consultant designer to both firms. This may produce a new line in ceramic lighting fittings. Who knows?

IUA Congress

One well-known firm of architects I know has decided to send one partner and one assistant as their official representatives to the IUA Congress. Lots were drawn to decide who should go. Anyone else who wants to go at his own expense will be given time off. This is an excellent idea. I hope other firms will copy it. Some of the bigger ones might send more than two.

The AA has written to all its members asking them to volunteer to entertain foreign delegates to the Congress on the evening of Monday, July 3. Members are asked to complete a form saying how many they are prepared to have and what languages they speak, and to give the shortest route to their homes from Piccadilly Circus. The appeal is not limited to members of the AA and the secretary would be pleased to hear from any London architect who would like to help.

This is an admirable way of welcoming our foreign guests. I hope there will be a good response.

Which electric light bulb?

The Consumers' Association has tested electric light bulbs and the results are published in the November *Which*. The main conclusions were, first, that a brand of bulb with a long life tends to give less light and have a lower efficiency and, secondly, that although single-coil filament lamps last as long as coiled-coil filaments, coiled-coil give out more light for the same amount of wattage. Silica-coated bulbs last as long as other coiled-coil bulbs, but are less efficient and cost more because of the diffusing glass. CA concludes that for economy you should buy one type and for long life, where difficulty of replacement is a consideration, another. It is interesting to

note that whereas most of the brands tested came more or less in the same street one, though the same price as the best buy, had a life of a little over half the length; though starting with the greatest efficiency it was the least efficient of those tested after 1,250 hours, and had a very much higher rate of failure before 700 hours in the life test. Fifty lamps of each type were tested.

St. Giles' Circus

Work has at last begun on the scheme to improve traffic circulation at the junction of Oxford Street and Tottenham Court Road. Many of the shops have been standing empty for months. It appears that most of the buildings wanted for demolition have now been emptied, but one, a small Swiss restaurant run by three sisters, with possibly more in the kitchen, continues business as if nothing had happened. Shops on either side are boarded up but the restaurant still provides good food in its own particularly haphazard way. It can hardly last much longer and then will probably disappear without trace.

This has already happened to an old favourite of mine in Pimlico. It was called the *New Continental*, being opposite Victoria Station, and had charming paintings on its mirror-lined walls. It also had its own special brand of hat-and-coat hook made of brass, and more efficient and far more elegant than any modern product. I had been keeping an eye on those hooks for years and one day recently went to see how they were getting on to find only a huge hole and a tower crane. It is sad that little restaurants like this where they really care about their customers are fast disappearing.

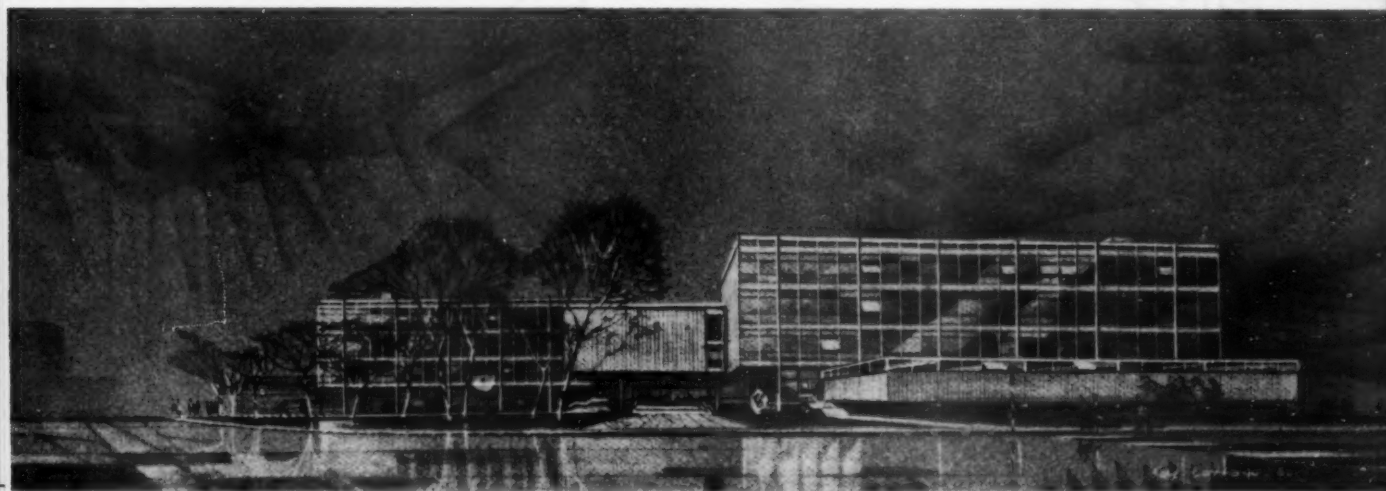
Gilbert Harding

Many tributes have been paid to Gilbert Harding, who died last week, but I have seen no mention of his interest in architecture. Sir Basil Spence tells me that he found in Harding a great champion, both on Coventry Cathedral and at Cambridge where, as an old Queen's man, he strongly defended Sir Basil's designs for the recently completed building for that college.

Characters are very scarce these days and when they do crop up we can ill afford to lose them at as early an age as 53.

ABNER

Winning design in the competition for a civic centre in Neath (see page 660)



Neath civic centre competition

The Architect & Building News, 23 November 1960

First premiated design (£1,000): Kenneth R. Hathaway

Second premiated design (£500): Barrie Dewhurst

Third premiated design (£300): Ceri Jones & Roy Gammon

Points from the report of Sir Percy Thomas, assessor

A TOTAL of 42 designs were received. They fell into three main groups:—

1. Those who had planned separate blocks for the borough and rural council offices, with the council chamber, etc., placed between the two blocks.
2. Those planned as one continuous block of offices, but divided in the centre, with one half for the borough and one half for the rural district, with the council chamber forming a 'T' opposite the centre of the block.
3. Those who had planned the borough and rural offices in the form of a square, with an internal lighting court, and with the council chamber in the middle of one of the long sides.

Most competitors placed the assembly hall adjacent to the proposed new road at the north-west end of the site with access either from the proposed new road or from the new ring road, but others placed the hall in the south-east corner of the site, and one or two put it in the centre near the southern boundary.

The author of the winning design places his buildings admirably on the site, leaving sufficient open space for planting, and keeping the main office blocks and

council chamber a reasonable distance from traffic noises on the road. The two office blocks are self-contained units, as required by the conditions, and both have admirable connections with the council chamber itself.

The assembly hall is approached from the proposed road on the north-east, which will be off the main traffic route and convenient to the proposed bus station. The hall itself is on an upper level, allowing ample cloakroom and toilet accommodation for the public. The hall is also provided with circulating corridors to give easy access to any part of it.

An attractive feature of this scheme is the broad pedestrian walkway which goes right through the site parallel with the southern boundary, passing under the council chamber. There is a service road on the southern boundary leading to the car park at lower ground floor level. This road also gives access to the weights and measures department under the ground floor of the borough council offices.

The elevations are contemporary in design, with a contrast in design between the council suite block and the offices.

The author estimates his cost as £420,844. I have had his calculations checked and the cubic contents are rather lower than those calculated. Bearing this in mind, and also the high standard of finishes which the author has set himself, I consider that this design would cost nearer £450,000.

Winner's remarks

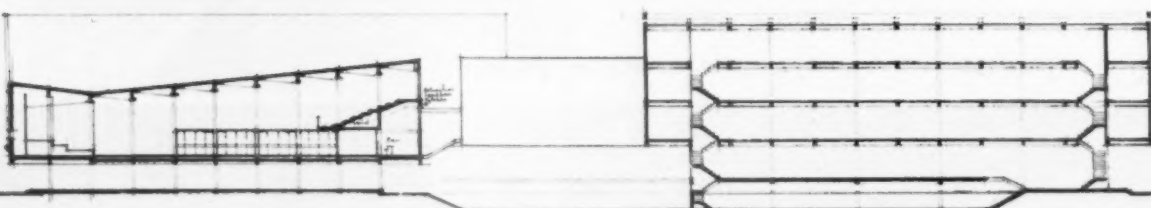
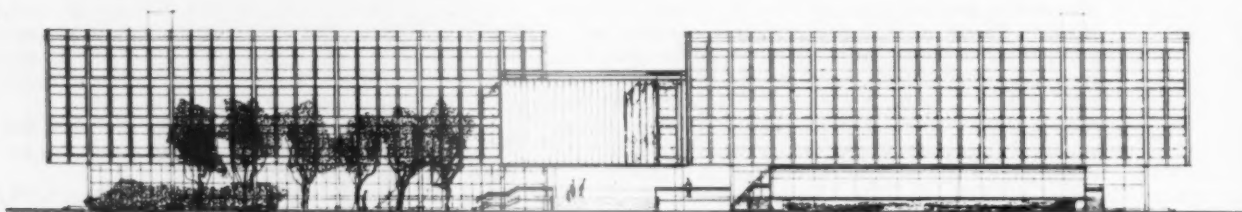
The maximum amount of the site area is opened to the public either in the form of paved area or simple lawns with tree planting. The opportunity has been taken to make a broad public footpath along the centre of the site, running from south-east to north-west. This gives a natural pedestrian way alternative to the pavement along the major ring road.

The main construction of office blocks and council chambers is a reinforced concrete structural frame with concrete floors, and the external walls made up of infill aluminium window wall units.

The council chamber connects the two office blocks together by bridging over the central pedestrian public way. Circulation within the office blocks has been split into three, to keep the staff, public and councillors separated.

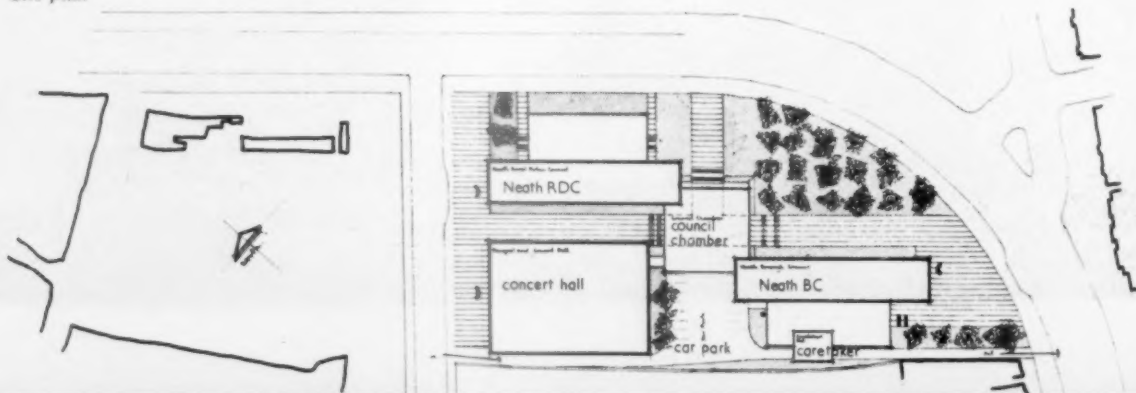
Costs on page 663

East elevation



Section AA

Site plan



Building byelaws proposal

Centrally-produced regulations will replace the building byelaws at present made by borough and urban and rural district councils if the Public Health Bill introduced into the House of Lords is passed.

Under the Bill a Building Regulations Advisory Committee would be appointed to advise the Minister on exercising his powers to make these regulations and on related subjects. The administration and enforcement of the regulations will remain in the hands of the local authorities now responsible for making and enforcing the byelaws.

Modified arrangements to enable the Minister or the local authority to relax particular building requirements to meet special circumstances are also provided. A developer whose application for relaxation is refused by a local authority will be able to appeal to the Minister (*see leader, page 657*).

Passenger building in Tunisia

A competition open to all architects, and sponsored by the Société Nationale des Chemin de Fer Tunisian for the design of a passenger building in Tunisia, has just been announced.

Assessors will be two architects, the regional architect of Tunis, the public works engineer, and representatives of the Ministry of Finance and Commerce, the Ministry of Industry and Transport and the Public Works Department.

First prize will be the execution of the winner's plan and according to the usual terms laid down by the Bâtiments Civils Tunisia; second prize will be 1,000 dinars, third, 750 dinars and fourth, 500 dinars.

Closing date for applications to enter is December 1st, 1960. The opening of entries will begin on May 1st, 1961.

Applicants should write to M. Le Président, Directeur Generale de la S.N.C.F.T., 67 Rue de Portugal, Tunis.

Any other information may be obtained from the Tunisian Embassy, 29 Princes Gate, London, S.W.7 (Knightsbridge 4133.)

Designing and equipping a lecture theatre

A four-day conference on *Designing and equipping a modern lecture theatre* will be held at the University of Manchester School of Education on November 29-December 3.

Intended primarily for the academic and professional staffs of universities, colleges of technology, local education authorities and training colleges, it will take the form of a series of papers covering problems of acoustics, lighting,

ventilation, seating and the various methods of presenting visual information. Detailed consideration will be given to the designs of some outstanding modern lecture theatres.

continued on page 664

diary**This week****The Faculty of Architects and Surveyors**

November 25, 11.30 a.m. Annual general meeting. 1 p.m. Meeting of the executive council. Both at 68 Gloucester Place, W.1. 6.45 p.m. for 7.30 p.m. Annual dinner and ball at the May Fair Hotel, W.1.

The Building Centre

November 30, 12.45 p.m. Lunchtime film show. 'You and the Silicones.' At Store Street, W.C.1.

Royal Society of Arts

November 30, 6 p.m. A paper on 'Some Traffic Problems of London' will be read by A. Samuels, CBE, AMIMECHE, MINSTR. At John Adam Street, Adelphi, W.C.2.

London Master Builders' Association

November 29, 5 p.m. Central area 3 prizegiving. At Carpenters Hall.

London County Council

November 29, 6 p.m. The last of five lectures on 'The Architect and the Building Contract', by Donald Keating, BA. At the Building Centre, Store Street, W.C.1.

Brixton School of Building

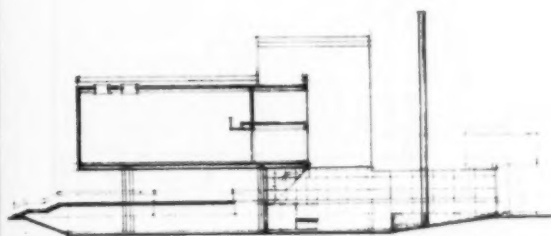
November 30, 6.30 p.m. The sixth of seven lectures on 'Organization of Mechanical Plant for Building Contracts', G. A. D. Roberts, BSC(Eng), AMICE. At Ferndale Road, S.W.4.

Competitions reminders

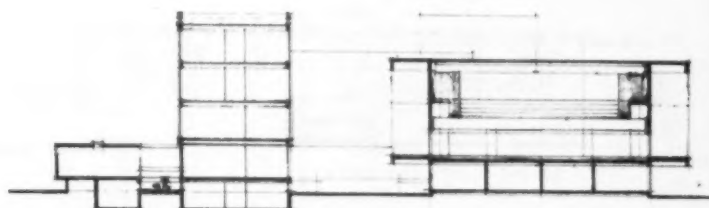
Balch-Essex Prize offered by the RICS. Amended closing date: November 30 (news, A & BN, June 15).

The Star Competition (redevelopment of Piccadilly Circus). The *Evening News* will make an announcement about this competition shortly.

Country Landowners' Association (Farm Buildings). Closing date for entries: December 30 (news, A & BN, September 21).

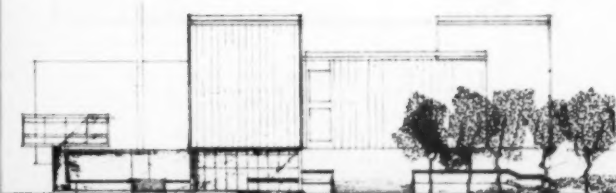


Section CC

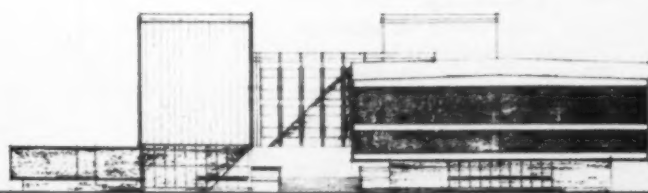


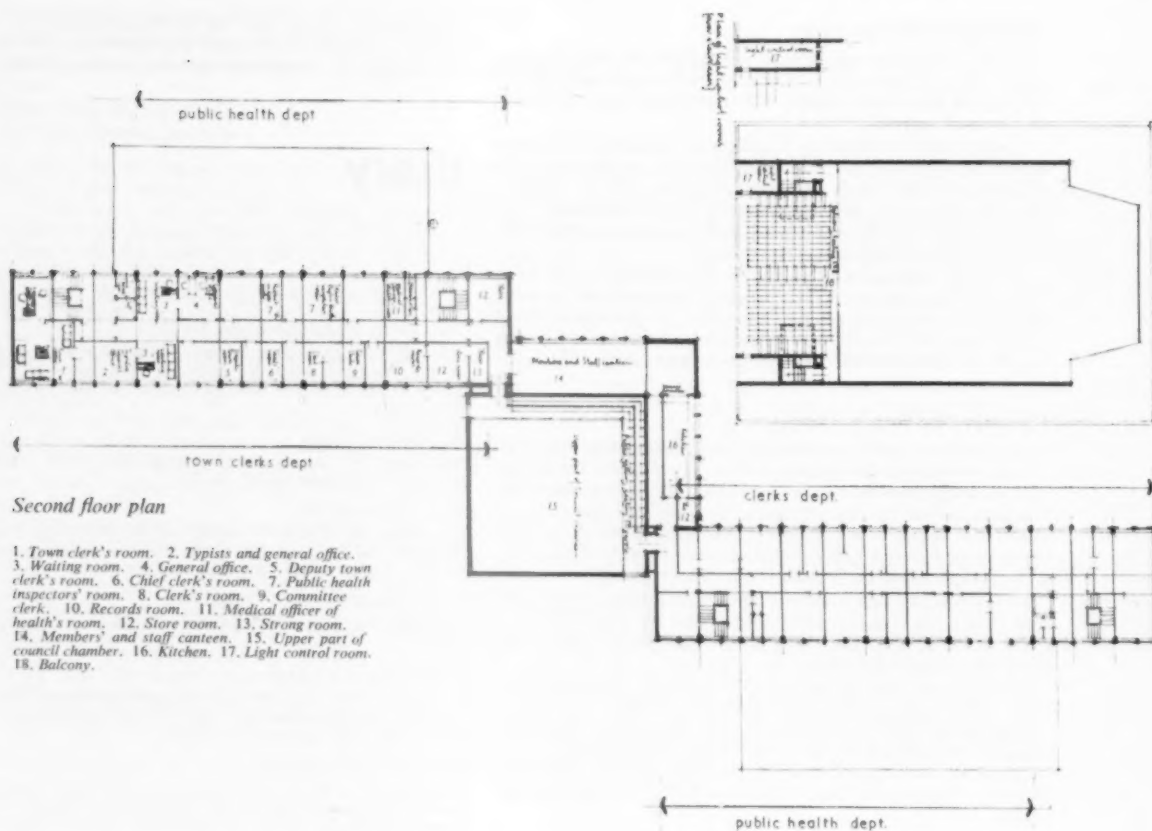
Section BB

South elevation

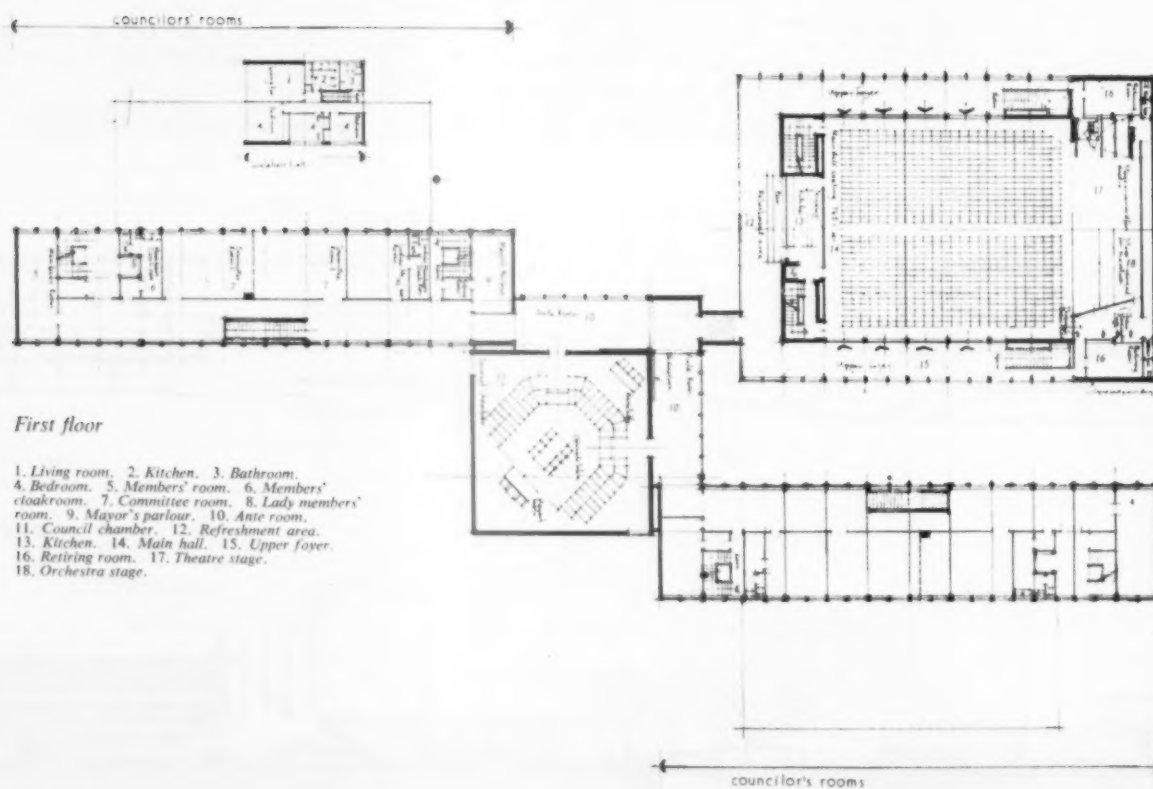


North elevation

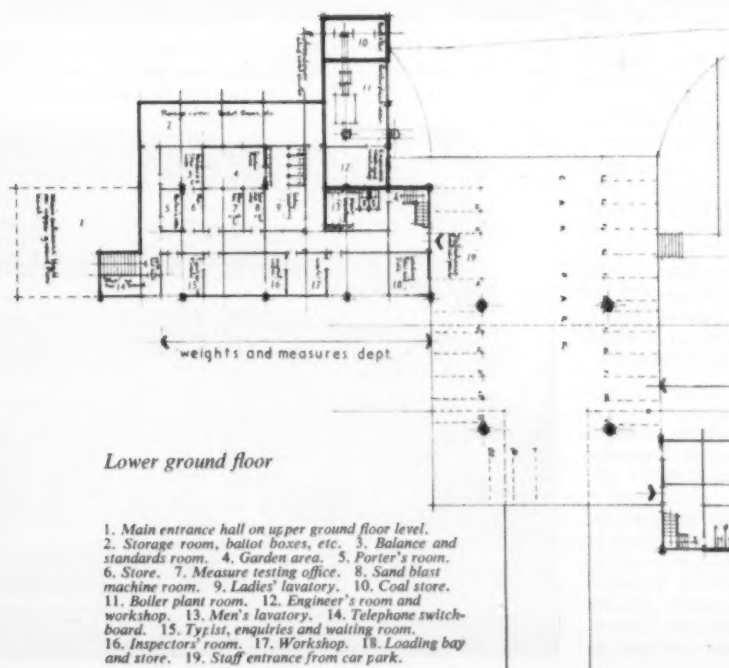
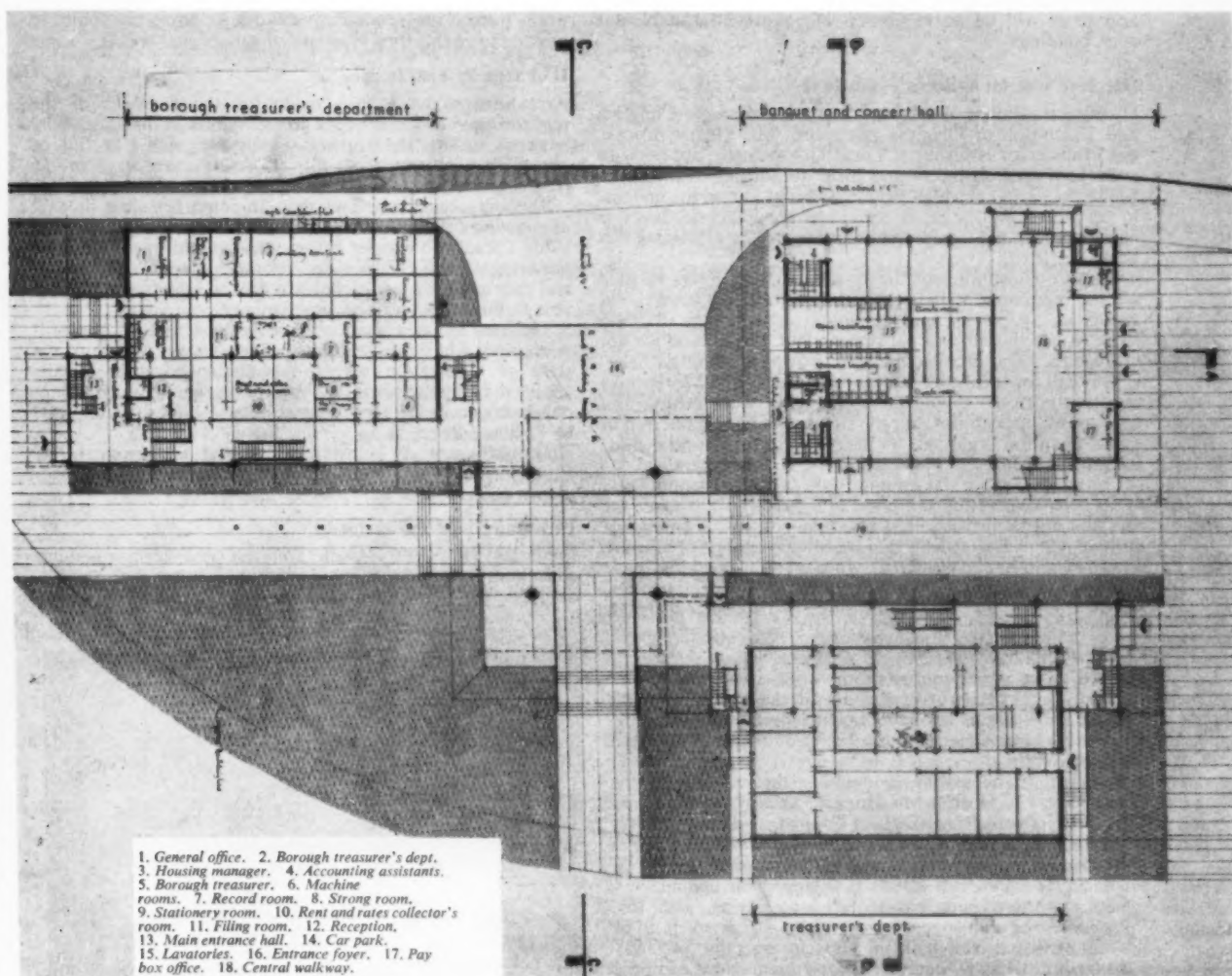


**Second floor plan**

1. Town clerk's room. 2. Typists and general office.
3. Waiting room. 4. General office. 5. Deputy town clerk's room. 6. Chief clerk's room. 7. Public health inspectors' room. 8. Clerk's room. 9. Committee clerk. 10. Records room. 11. Medical officer of health's room. 12. Store room. 13. Strong room.
14. Members' and staff canteen. 15. Upper part of council chamber. 16. Kitchen. 17. Light control room. 18. Balcony.

**First floor**

1. Living room. 2. Kitchen. 3. Bathroom.
4. Bedroom. 5. Members' room. 6. Members' cloakroom. 7. Committee room. 8. Lady members' room. 9. Mayor's parlour. 10. Ante room.
11. Council chamber. 12. Refreshment area. 13. Kitchen. 14. Main hall. 15. Upper foyer.
16. Retiring room. 17. Theatre stage. 18. Orchestra stage.



Ground floor: main entrance and upper ground levels

Costs

Council Offices and Council Chamber

Height used in calculating the cubic content of Offices

57ft

Height used in calculating the cubic content of Council Chamber

30ft

Calculated cubic content of office blocks and council chamber; 655,528 cu ft

Rate taken at 9s 8d a cu ft

Therefore cost will be £316,872

Caretaker's Flat £4,250

Site works including pedestrian bridge over car park and drainage works

£8,700

Banqueting and Concert Hall

Height used in calculating the cubic content

42ft

Cubic contents, 346,752 cu ft

Rate taken at 5s 3d a cu ft

Therefore cost will be £91,022

Total cost of scheme excluding all fees will be

£420,844

and there will be an exhibition of equipment suitable for such buildings.

'Declare war on ugliness'—minister

Opening the Public Works and Municipal Services Congress and Exhibition at Olympia last week, Mr. Henry Brooke, the Minister of Housing & Local Government, appealed to architects, civil engineers and local authorities to make the 1960's the period in which Britain declared war on the ugliness in her towns and cities. A revival of great architecture was needed, a new and inspired approach whenever a building was being designed.

Mr. Brooke continued: 'In the next hundred years we shall see the rebuilding of the centres of most of our large towns and cities. In placing and designing the buildings we want them to be efficient and convenient, but why should we not make them great architecture, too, worthy of the best?'

This call for excellence had to be insistent, and Mr. Brooke said that not only should the countryside, town centres and new houses be beautiful, but the streets as well. He referred to the competition organized by the Ministry for design awards for groups of houses completed in the last five years.

Car-parking space was an important factor in planning and in the original development plans of the early 1950's space for cars had not been recognized as a major factor. A change of attitude was needed quickly and traditional layouts of housing estates should be reconsidered. More off-street parking space had to be found and if we were to solve this car problem, radical thinking and drastic measures had to be considered.

House-building co-operative suggested

The setting up of a 'professional co-operative' consisting of architects, engineers, surveyors and salesmen as a means of meeting the changing contemporary needs in house-building construction was suggested at the Public Works and Municipal Services Congress.

Speaking at the session held under the auspices of the Royal Society of Health, Mr. Horace E. Gilby, engineer and surveyor, Hertford Rural District Council, said that for over 40 years eminent architects had predicted that radical changes would revolutionize the methods, materials and precepts of house construction. But results had lagged far behind.

Two important questions required answering, said Mr. Gilby—Was the challenge of new methods being taken up or did our architects and builders want to take the easy way—the traditional way—out? Were the present forms of house building-construction ultimate, or did they represent a halt in development caused by design laziness, traditional prejudices and, perhaps, lack of capital?

At present there was little incentive to building societies and local authorities to encourage new methods, designs or new and untried materials which tended to be looked upon as 'suspect'. That, he claimed, was because there was not sufficient experience to judge the good risk from the bad.

As far as building bye-laws were concerned, when the local officer advised his authority traditional methods were likely to find favour. 'The new or untried will be rejected or reluctantly approved after extensive local investigation amounting to almost a pitched battle.'

The architect had to overcome the inertia arising from the influence of other groups. Design progress called for salesmanship of a high order as well as design ability. As these characteristics were seldom joined in a single person, the answer was to create a 'professional co-operative'.

More for CPRE

The RIBA grant to the Council for the Preservation of Rural England is to be increased from £50 to £300 a year. The grant is devoted wholly to the work of the Central Panels Committee. It will be reviewed in 1963.

Although there was some criticism of the principle of planning control at the meeting of the design and planning committee, when this question was discussed, it was agreed that advisory panels were on the whole giving a useful service and that this service depended very largely on the guidance provided and information issued by the Central Panels Committee. If this committee were to continue its

work, it must have enough money for a reasonable period to provide for a full-time secretary of suitable calibre.

IUA fees by instalments

Arrangements have been made for the payment of the registration fees for the 1961 IUA Congress in instalments by banker's order. The registration fees are £18 (for full or observer members), £15 (for associate members) or £5 (student members).

The only condition, and it is an important one, is that application for registration must be made before January 1, 1961. Those who register before that date thus gain a double advantage: they can pay by instalments over six months, and they avoid the additional 'late fee' of £2, which is chargeable to those who register after January 1.

The 'late fee' is a regrettable necessity, imposed because it is essential for the organizers to have a clear picture of the scale of registration several months in advance. Details about the arrangements for paying by banker's order are obtainable from the organizing secretary, 1961 IUA Congress, 66 Portland Place, W.1.

The Ministry of Housing and Local Government has authorized the payment of the registration fees and expenses of two officers from each local authority.

University post for architect

Frederick Hill, Birmingham architect and town planning consultant, has been appointed visiting lecturer in landscape design at the Department of Fine Arts, Reading University.



Interior and exterior views of Bristol's new spiral ramp car park, built at a cost of £200,000. It covers about 3½ acres and can accommodate 550 cars. Compare with flats on page 667



a humanist architecture

The Architect & Building News, 23 November 1960 665

The annual Marley Lecture sponsored by the Yerbury Foundation, given by Minoru Yamasaki at the RIBA last week

I AM grateful for this opportunity to reassess my architectural thinking and to explore further an area in the study of contemporary architecture in which I am extremely interested.

Frequent visits to the Orient and to Japan have helped to clarify my belief that the understanding of certain qualities in Japanese architecture will help architects to shape the kind of environment necessary to a better life.

Though I jokingly protest that those who contend that my buildings have a distinctly Oriental flavour have seen my face or name before seeing my work, I am fully aware that my admiration of certain intrinsic qualities in Japanese architecture has had a positive effect on the underlying philosophy on which I try to base my designs.

In this talk I will try to outline an overall philosophy to which, I believe, contemporary architects must subscribe if they would participate in building the environment necessary to and representative of man. I will also try to show how an understanding of traditional Japanese architecture can help architects in developing this philosophy.

* * *

The reason I believe it is so important to clarify the objectives of this philosophy is because today in America and in the rest of the world there are a few very influential architects who sincerely believe that all buildings must be 'strong'. In explaining the word 'strong' in this context, the definition seems to connote 'powerful'—that each building should be a monument to the virility of our society. These architects look with some derision upon attempts to build a friendly, more gentle kind of building.

The basis for their belief is that our culture is derived primarily from Europe, and most of the important traditional examples of European architecture are monumental ones. Western architectural education has been slanted heavily towards Europe in architectural history, almost completely ignoring the very important periods of architecture of other parts of the world, such as Saracenic, Japanese, Chinese, or Indian. Banister Fletcher, the inevitable history text in American architectural schools, makes too little mention of these architectures. European historical architecture, for the most part, has been based on the quality of monumentality. The need of the state, church, or the feudal families, the primary patrons of these buildings, to awe and impress the masses of people is clearly reflected in most of the important historical examples of architecture in Europe.

It is inevitable for architects who admire these great monumental buildings of Europe to strive for the quality most evident in them—that of grandeur. Deep in the heart of every architect, and I am no exception, is the ambition to erect a Chartres, a San Pietro for his own time.

The overwhelming uplift and excitement experienced in seeing buildings such as these cannot help but influence our thoughts and our work. Yet we must realize that the buildings we build for our times are for a totally different purpose. The buildings necessary for our society should not be objects to awe and impress us, but should be part of an environment to enhance our way of life and to serve as a thoughtful background for the activities of contemporary man. Attempts to turn commercial buildings, schools, or residences into cathedrals or palaces can only result in buildings completely incongruous to our way of life. The elements of mysticism and power basic to this kind of building have little place in the world of free man.

There is another much less desirable aspect of this effort toward monumentality. There are examples of architectural 'muscle-flexing', evidencing a desire to be stronger, more powerful, more exciting than the buildings of competitors. The result of this thinking inevitably ends in crudity, almost to the point of brutality.

There are many results of this kind of thought built, and being built, in the Americas, in Europe, and in Asia. Shockingly, in Japan, with its background of sensitive, intimate architecture, there are too many new buildings based on these characteristics.

Such buildings can never be part of an appropriate environment for a democratic society. They are much more appropriate as an image for the totalitarian principles which we abhor. The dogmas of totalitarianism demand buildings powerful, brutal to impress

the masses with the absolute power of state. We can find evidence of this in our time in the buildings of Mussolini, Hitler, and the Soviet Union.

In the democratic world I question even as great an artistic example as Le Corbusier's High Court at Chandigarh. Though I truly admired its tremendous visual impact, I question whether its power and crudeness are appropriate to the Indian people struggling against tremendous economic obstacles for freedom and for dignity. Though monumentality is without question an important and necessary ingredient for this building, this quality should be defined architecturally so that man may enter such a building with pride and his head high. Instead, I had the feeling of a great pagan temple where man must enter on his knees.

Buildings elsewhere of this category, designed by lesser men and of lesser artistic merit, are infinitely worse. This kind of egocentric reasoning is one of the major causes for the confusion in architectural thinking in America.

There is no question about the existence of such confusion. Its evidence is in the explosion of architectural ideas which indiscriminately gush forth to fill the streets of our cities. This flood of experiments in architectural design is producing almost every conceivable shape and form, and for the most part without reason. All these shapes, each trying to outdo the other, when placed together, as at Miami Beach or the Brussels Fair, can only result in complete chaos. I literally felt ill when I was there.

In the centres of most American cities, it is the older buildings which usually hold our city landscape together. Our newer commercial streets with their inevitable competition of signs and shapes of buildings are hardly better than a Miami Beach.

Experiment is vital and necessary to all our fields of endeavour, but experiment which is not controlled by the cohesive force of an underlying philosophy can only produce anarchy. Today we have a kind of anarchy in architecture.

The only way to eliminate this anarchy is to examine the essential reasons for the kind of architecture we must have, beyond basic characteristics of structural stability, utility, and compatibility to the economic framework of society. Without the discipline and the inspiration which can be provided by a clear understanding of purpose, we will not be able to accomplish the gigantic job of framing modern man in his proper environment. That such a philosophy must exist today is obvious when we look in retrospect at past ages of architecture.

* * *

Throughout history the architecture of a particular society has reflected the beliefs and life of that society. The historically and artistically significant architectures were images of the life which went on within their walls, and reflected the particular beliefs of the society.

The Greek architecture which we so admire was the product of the democratic beliefs of Greek civilization. Egyptian architecture reflected the absolute power of the Pharaohs and the enslavement of the people. The pompous, superficial life of the French Renaissance monarchs can be well seen in their palaces. Yet, in England, the Renaissance expressed the beginnings of the dignity, the pride, and the humanity that is the great heritage of the English-speaking peoples today.

The architecture of our society must be totally consistent with our way of life and ideals. Though its obvious purpose is to house the complex activities of man, its more positive attribute is to elevate the spirit of humanity and be sympathetic and integrated with its ideals.

We are both proud and thankful for our way of life. We rejoice in the great ideas of freedom for the individual and the dignity of man. The qualities of humanity we most cherish to implement these profound beliefs are those such as love, gentility, joy, serenity, beauty, and hope. An architecture which is representative of, and needed to implement, our way of life must recognize these human characteristics which are fundamental to it.

This idea in its essence, I believe, is the philosophy of humanism in architecture—a philosophy dedicated to and consistent with the highest ideals of democracy.

The instilling of a significant degree of this quality of serenity

is necessary to our future environment. The chaos caused by political turmoil, by traffic, by vast increases in population, and by the tremendous impact of the machine, demands that man must have a serene architectural background to retain his sanity.

Interspersed with this serenity must be delight—the delight of interesting silhouettes, of waterplay, of variety in our indoor and outdoor spaces. But the unifying quality must be this serenity, physical representation of the belief of man that he can live in quiet dignity.

There are other qualities which we need, such as excitement, but excitement is fragmentary—the basic qualities of architecture must be more encompassing and enduring. We may be enthralled by the excitement of Broadway or Ginza at night, but we can hardly aspire to these as permanent diet.

The understanding of scale in our buildings which will enable man to live proudly and make him feel that he is in touch with his surroundings—a kind of overall security—is much more difficult to pinpoint. Yet, the experience of buildings such as those in Japan where this is true should assure us that it is possible to translate this quality in our environment in our terms.

The challenge of our times philosophically, politically, is tremendous; and the challenge of architecture is an integral part of the total challenge. Whether we, the architects of this time, are able to meet it remains to be seen.

Humanism in architecture is a relatively new idea historically, and those of us practising at this critical time should rejoice in the opportunity and be thrilled with the challenge it offers.

In the concept of democracy, man is the centrality—his dignity and individuality the core of the idea; so, too, in a humanist architecture the dignity and individuality of man must be the primary objective.

If a building is too strong or brutal, it tends to overpower man. In it he feels insecure and uncomfortable. A monument to the ego of a particular owner or architect is contradictory to the principle that each man who uses the building should be able to, through his environment, have the sense of dignity and individual strength to carry on his hopes and aspirations.

Individuality of man means individual ideas which work together to flower the rich and wonderful environment for which we work. We know today, only too well, that the dogma of a particular architectural style, however great its master, can only bring deadly monotony to our cities.

However, the freedom which is available under a humanist philosophy of architecture entails tremendous responsibility, just as we know that freedom in democracy does not imply that any individual can do anything that he wishes. A building must have full respect for the environment in which it is placed, as an individual must have respect for the community in which he lives.

Humanism in architecture, though begun in England and carried over into our colonial days, had difficulty in development because of the immaturity of democracy itself, and because architecture was inhibited by the use of traditional elements from the past. Today, with the maturity of our democracy and the full palette of techniques available to architecture, we are able to meet the challenge of an architecture for all the people.

The conception of an architecture for all the people instead of a select few is only possible through adherence to a humanist philosophy—one which is consistent with the nobler ideas which we seek. To achieve this high purpose in architecture, the goals to realize are:

1. To enhance the enjoyment of life through beauty and delight.
2. To be uplifting so that we can reflect the nobility to which man aspires.
3. To give order, and through order, a background of serenity for the complex activity of modern life.
4. To be truthful. It must have an intrinsic clarity of structure which is natural and inevitable for the purpose it fulfills.
5. To have full understanding of and fidelity to our technological processes, so that we may conserve our effort in the task of rebuilding our environment, and so that our architecture will be based on and, thus, be symbolic of the great advances in society made possible through industrialization.
6. To be in scale with man so that he is at all times secure and happy in his environment and intimately related to it.

Most of these qualities are basic to the older architectures. Proportion, elegance of detail, nobility exist in the wonderful European buildings of the past. Though they must be translated in our own idioms, we can be much inspired by the expression of these qualities in great examples of architecture.

In two areas—the understanding of serenity and in the understanding of scale—we need further clarification from historical examples. It is here that I believe we can learn much from Japanese architecture.

To explain my reasons for this, I would like to describe a visit which I recently made to a building in Tokyo. The building was a relatively new restaurant, designed by the architect, Horiguchi, who in Japan today is master of those who build within the Japanese tradition.

I believe it is only in Japan that traditional architecture seems appropriate when built today, and then only in residences and in such restaurants or inns.

* * *

Facing the street, the exterior was simply a well-detailed wooden fence, the characteristic façade of most urban Japanese-style buildings. Once within the gate, however, it was apparent that this was a very special place. The combined feeling of peace and pleasure which I have found in the Katsura Palace, the Stone Garden, and in so many other examples of Japanese architecture, seemed to envelop us at once.

We walked down a corridor of garden lined with a variety of beautifully composed trees and shrubs, which ended with a delicate vertical bamboo fence. We made a planned turn to find an exquisite view, the most perfect arrangement of roof and building, walks and trees.

Each detail must have been extremely carefully conceived. Even the paving, with small stones set in cement, was irregularly interrupted by large pieces of rectangular stone to give substance, as rocks which rise from the surf give visual interest to an expanse of sea. The trees were particularly handsome specimens. Their overhanging and twisted branches were held up by wooden supports so carefully shaped and sensitively placed that the total composition would have been incomplete without them. The walk passing through the garden floor of gravel was similar in texture. It was just different enough in colour to enhance the whole without becoming the too-strong stripe, so often true of our garden walks.

We removed our shoes and quietly stepped on the matted floor of the low ceiling entrance hall; turning again, we padded down a short section of semi-dark corridor to find ourselves in a breathtakingly lovely room.

Everything about this room—the architecture, the furnishings, the view—was wonderful to me. In the corner, the windowed tokonoma gave opportunity to silhouette the exquisite flower arrangement and holder against the soft light of the rice-papered shoji. In the tokonoma was a narrow hanging, an essence of landscape, which seemed to balance the living landscape beyond the adjoining glass wall. The handsome low table before the tokonoma was the single piece of furniture in the room. The clutter which we suffer in America is apparent upon seeing such a room as this.

All these very special and beautiful elements were tied together with a skilful arrangement of posts and beams and straw-coloured mats with strong black edges. The details were perfect—soft, lovely wood, quiet grain fitted with superb craftsmanship, grey-green plaster joined perfectly to wood providing deep contrast to luminous shoji.

I had been transported to fairyland, a delightful, peaceful dream, far away from the tumult of workaday Tokyo, Detroit, or New York. I wanted to stay surrounded by this quiet beauty forever. I believed then that within the quiet beauty of the Japanese environment I could be creative and live with the joy of lovely thoughts.

Then, waking up, I was again aware of the impracticality of trying to house twentieth-century civilization in the framework of traditional Japanese architecture. Scale, structure, and materials are all inappropriate for the demands of our time. The discipline of total simplicity would be impossible for us. Yet the complete emotional satisfaction of each of many experiences I have enjoyed in Japanese architecture has developed a positive feeling in me that we of the twentieth century can learn there.

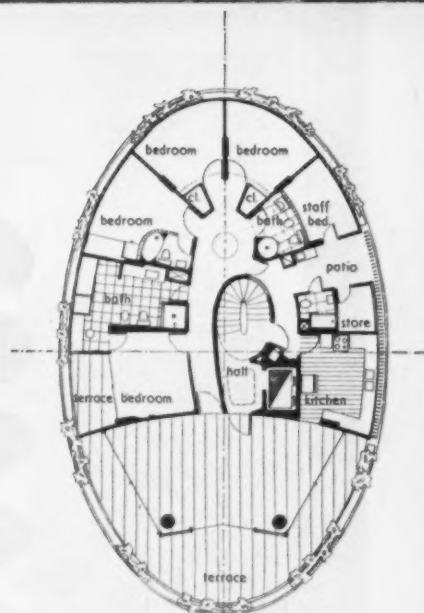
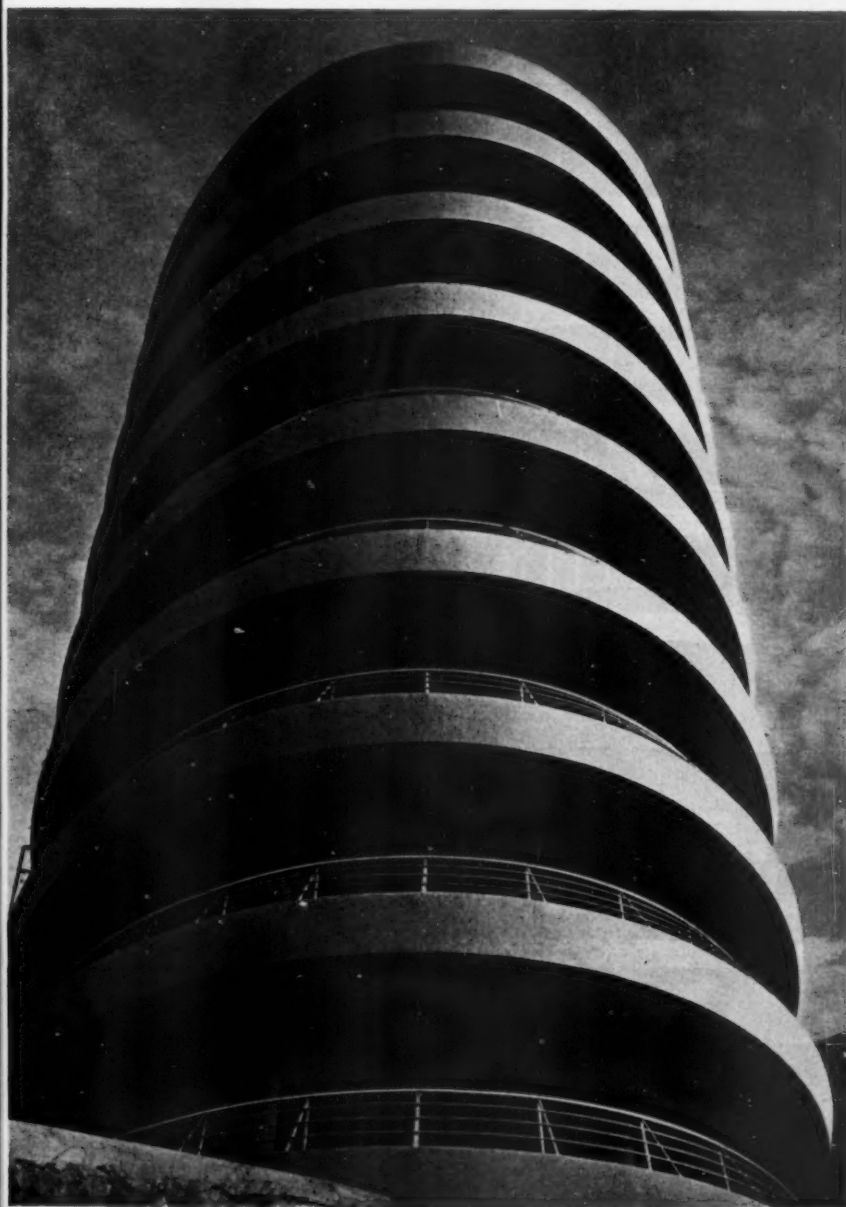
apartment building at Ancon, Peru

The Architect & Building News,
23 November 1960

667

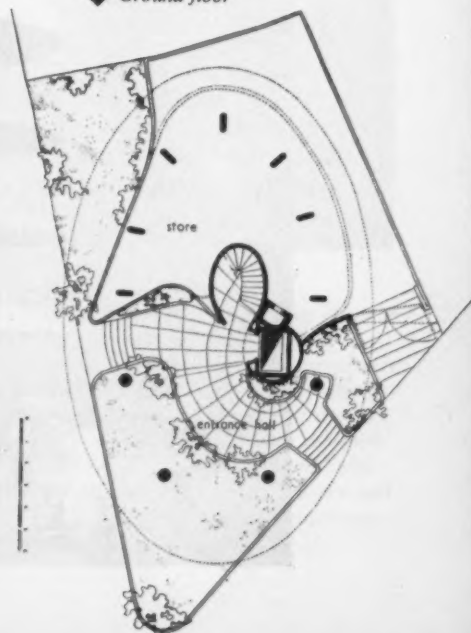
Alberto Menacho, architect

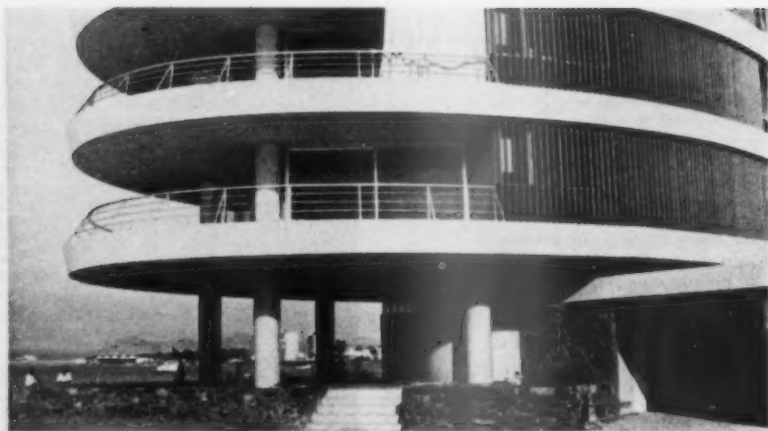
The apartments are located on the seashore on a site forming a promontory and offering a full view of the Bay of Ancon. The elliptical plan has evolved from the need to obtain a good view from every room in the building; it also adapts itself closely to the form of the site. The ground floor is a continuation of the coastal promenade and part of it provides space for an entrance hall and boat house. There is one apartment per floor in the upper storeys. A terrace on the roof is shared by the owners of the apartments and is used for recreation. There is also a private pier for the yachts of the apartments' owners



▲ Typical upper floor

▼ Ground floor





The building has a magnificent outlook through a full 360 degrees. Left, part of the opposite coastline to the Bay of Ancon is seen through an unenclosed entrance hall. Below, louvres protect kitchen and store from a penetrating east sun





Photos: John Malby

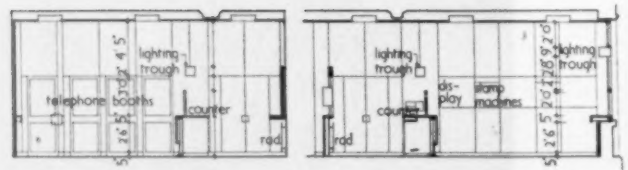
first of the new Post Offices

General Post Office, client
Sir Hugh Casson in association with Misha Black
of the Design Research Unit, architects
Alexander Gibson and Philip Lucy, architects in charge

The South Molton Street Post Office is the first crown post office to be modernized in a programme spread over eight years in which 100 to 150 offices are to be improved at a yearly cost of about £300,000. Top ranking designers are being employed in this work, who will be given a free hand to re-plan and design the offices, including equipment and fittings

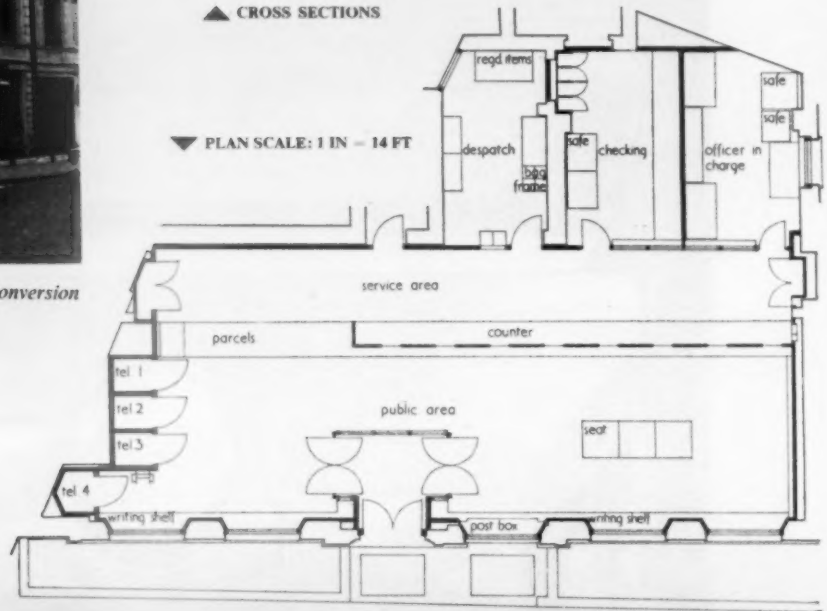


The exterior before conversion



▲ CROSS SECTIONS

▼ PLAN SCALE: 1 IN = 14 FT



New typography



This is the first of six old-fashioned post offices to be modernized under the new programme, other offices being dealt with being in Manchester, Leeds, Liverpool and other parts of London.

General design principles

In working on a new concept in design for the post office the architects have aimed principally at standardization as they feel that a post office ought to be instantly recognizable in any setting, and this standardization should be carried down into the smallest detail. Clarity of planning, simplicity of form and surface, neatness of detail and cleanness of colour are other aims which they feel ought to be reflected in the design of every post office, and with these aims in mind they have proposed to reduce the number of exterior elements of the shop fronts to five as follows: (1) entrance doors; (2) transom bar carrying lighting and lettering; (3) the central dispensing unit carrying automatic machines, posting boxes and notices; (4) suspended clock and (5) internally lighting sign. The architects also suggest that materials be prefabricated and dry assembled for quick installation and recommend satin finish aluminium for all these units; the standard colours they suggest for all external work are satin aluminium and white and scarlet for lettering and signs.

continued on page 674

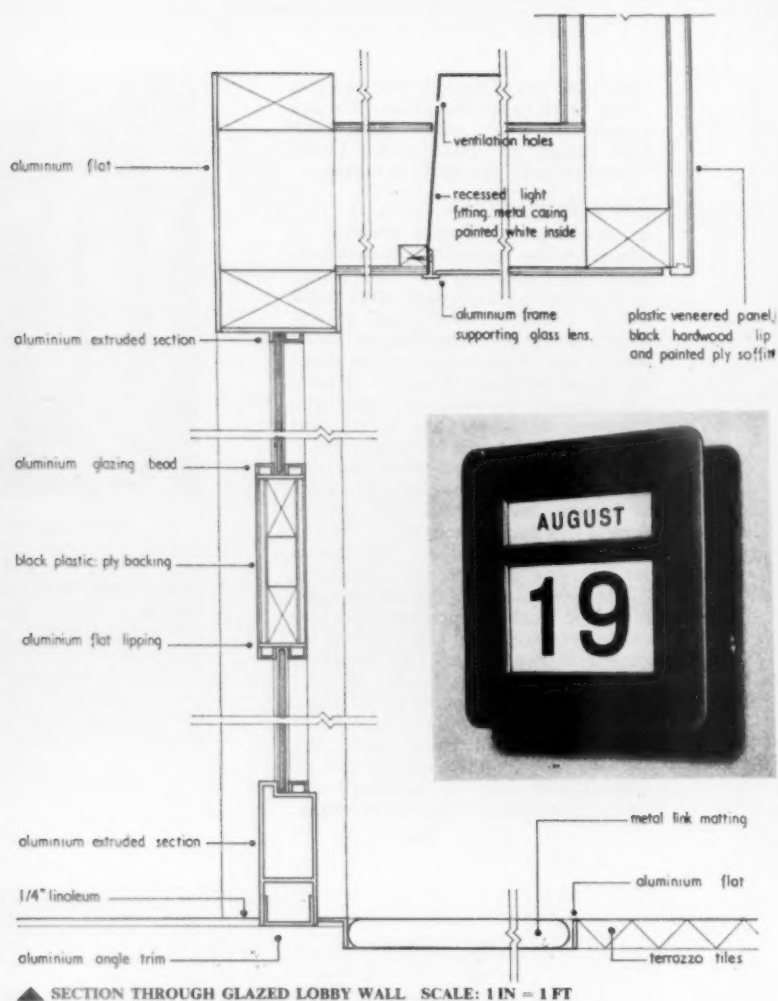


Above, the old and, below, the new in Post Office design. Intended to reflect a mood of reliability and speed, the end has been achieved in clarity of planning, simplicity of form and surface, neatness of detail, cleanness of colour and standardization of equipment and furniture. Standardization is used not only for reasons of economy but also to make the G.P.O. office instantly recognizable in any setting





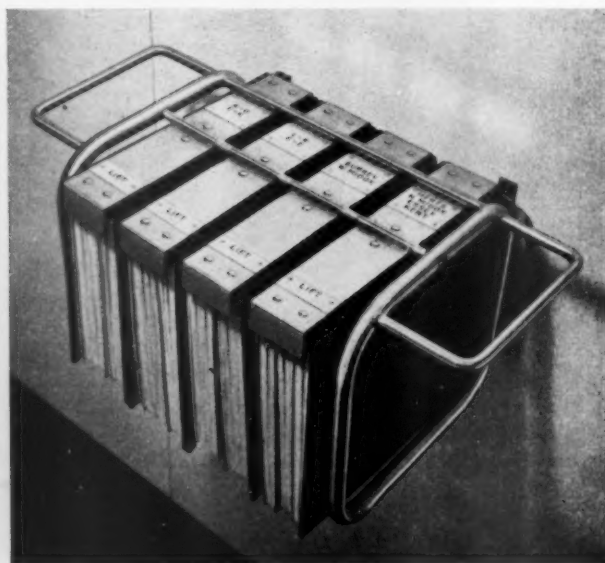
Above, the entrance lobby (detailed right) and below, telephone boxes. These boxes are lined in a pale blue laminated plastic with glazed aluminium framed doors and a black plastic push rail on which the word TELEPHONE is engraved in white. The telephone directory rack (below right) and date frame are two of many specially designed fittings

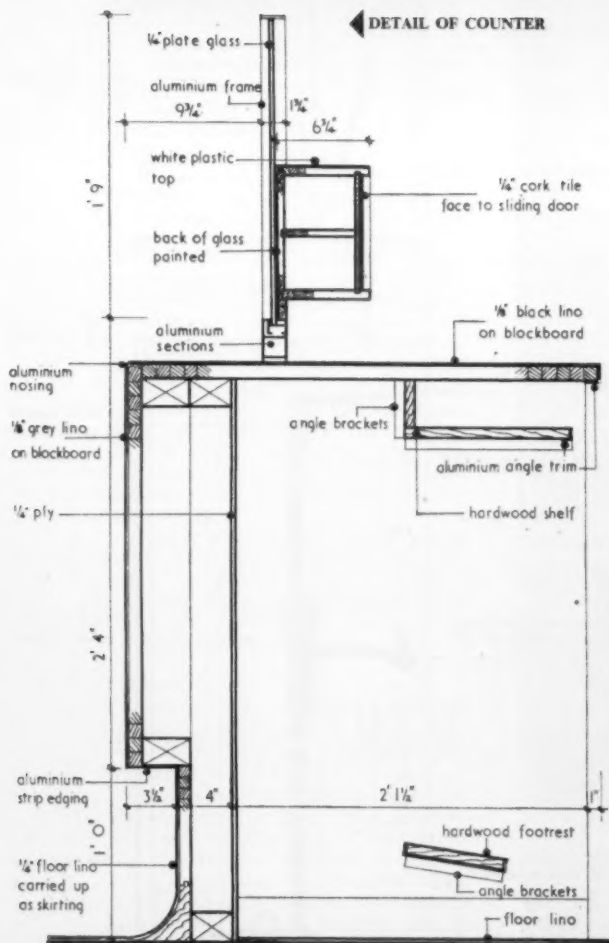


General Contractors: H. N. BARNES LTD.

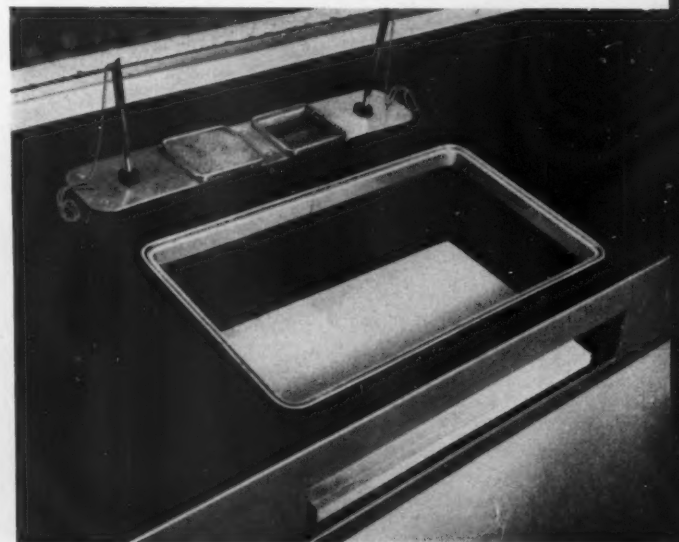
Sub-contractors and suppliers:

Aluminium: Ajax Architectural Products Ltd. Light Fittings: Courtney Pope Ltd. Projecting Sign: Claudgen. Suspended Ceiling: Dampa Acoustics Ltd.





The counter (above) is surfaced with black linoleum on top and light grey linoleum on the front; edges being formed with a fine aluminium bead flush with the linoleum. The counter screen is of silver anodised aluminium standards and clear glass, with continuous trough lighting above. Below, a detail of pen and ashtray fitting with slot for the names of Premium Bond winners and Post Office directory



continued from page 671

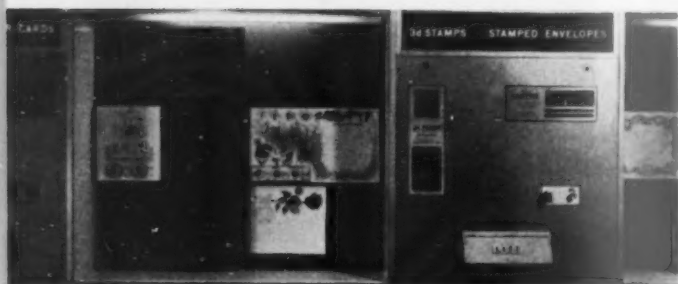
South Molton Street

The South Molton Street branch office is part of a Victorian classical building, painted cream. The only major replanning of the layout has been the removal of an enclosure used for the storage of bagged-up registered mail and its replacement by an additional chute to clear the bags from the ground floor.

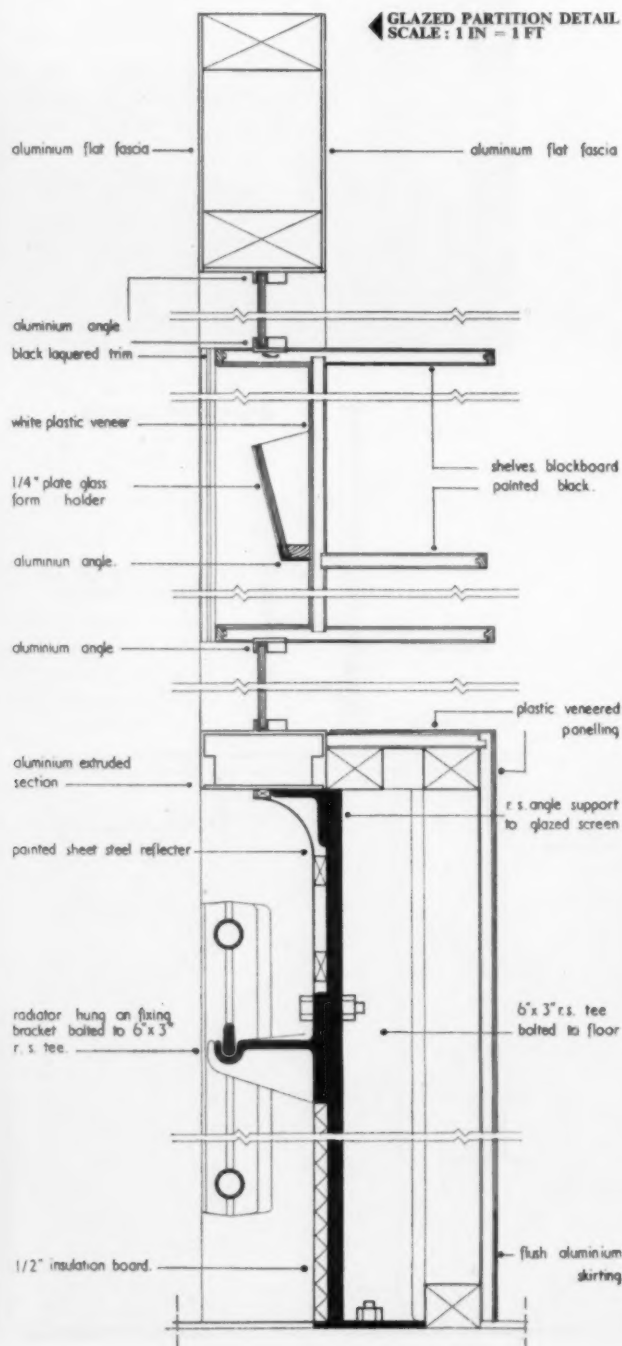
The ground floor windows have been removed and the standard units, already

referred to, used to replace them. The existing outer entrance doors have been painted black and new aluminium and glass swing doors, with push rail in black laminated plastic sheeting, replace the inner entrance doors. The floor has been covered with marbled dark grey-green lino with coved lining skirting turned up beneath the counter. A false ceiling is suspended below the beams consisting of perforated metal sections painted white and filled with sound absorbent material, lights being

recessed into it. The left-hand wall has been squared up by building in new telephone boxes, and the walls generally have been lined with white plastic sheeting. On the back wall this is taken up to door height only and painted above. Back offices are separated from the public area by a glazed metal framed screen. Recesses are formed in this panelling behind the counter to take posters and in the right-hand wall there are recessed illuminated display cases.



In addition to the external stamp machines, machines dispensing stamps, change and stamped stationery are built into the interior panelling (above). The glazed screen behind the counter (below) incorporated an advice note fitting and specially designed flush radiators

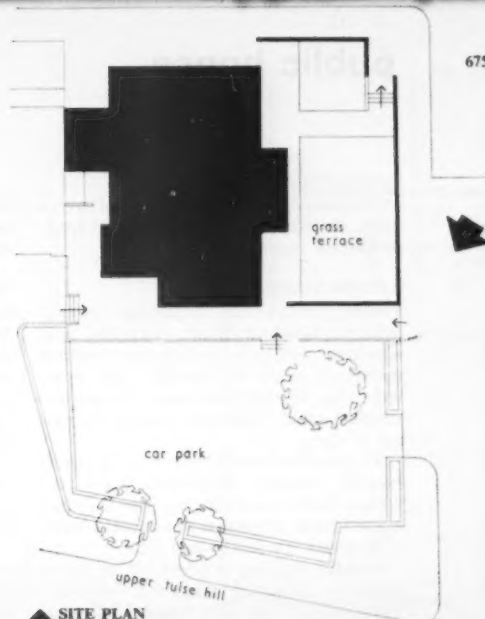


public house at Tulse Hill

**Professor Misha Black, Alexander Gibson,
and John McNeil, architects**

Milner Gray and Ronald Ingles, lettering consultants

**Alan Ball, designer of freestanding sign and
decorated tile panels**



The site is on the London County Council's St. Martin's housing estate, designed by C. Lovett Gill and Partners; and is at the junction of Upper Tulse Hill and a minor road through the estate which has been closed to vehicles since the public house was finished.

Requirements

Watney Combe & Reid required a large saloon bar, a smaller public bar, with shared service area and lavatories and an off-licence; on the first floor, in addition to the landlord's two-bedroom flat, separate staff quarters were asked for: these were to be independent from the flat, except that it had to be possible for the kitchen to be used by the staff. A large car park, cellar and private garden were also required.

Planning

A compact plan was achieved by balancing the saloon bar with the public bar and off-licence about a central service, staircase and lavatory core. On the first floor the flat and staff quarters are on either side of the staircase with the shared kitchen placed centrally to be available to both sides.

Building lines dictated the position of the building, the car park being placed to the north and the garden to the west. The landlord's entrance, fuel and empties stores have been placed between the main block and the adjacent four-storey block.

The chestnut tree, after which the pub is called, was originally growing near the edge of the car park. It became, however, a casualty during the building operations and a new chestnut was planted in the garden to take its place.

Construction

Concrete strip foundations: solid brick retaining and ground floor walls (except for a short length) and cavity walls elsewhere and on the first floor.

Ground and first floors are hollow pot construction: the cellar floor, lavatory roof and staircase are of reinforced concrete. Roof is of rafters on trussed purlins spanning across cross walls, covered with 2in Stramit and Snaprib aluminium roofing: gutters are of

continued on page 676



continued from page 675

aluminium concealed within the overhang. Partitions generally are of brick or clinker block.

External finishes

Facing bricks are Uxbridge purple facings. Ground floor boarding and windows are of Afrormosia, treated with two coats of varnish: first floor windows, fascias and door frames are painted white. Sills and string courses are of slate.

The garden fence consists of 8in wide boards, painted alternately grey and white, fixed to a dark grey painted steel angle frame. Paving is of concrete slabs with insets of cobbles and slate.

Garden lighting is provided by three specially designed standard lanterns. The freestanding sign, painted by Alan

Ball, represents a Chestnut in spring on one side and in autumn on the other.

Internal finishes

Saloon bar (The Chestnut saloon): White ceiling, mahogany boarded walls with area of red Coles wallpaper, mahogany Afzalia bar and back fittings, pine boarded suspended ceiling over bar. The bar front is faced with dark blue plastic. The freestanding fireplace facing two ways is built in ebony facings and has decorated tile panels by Alan Ball, one depicting ideas based on chestnuts and the other lettered on a beer theme.

The main light fittings consist of pleated red nylon on black metal frames: the curtains are two dark shades of crimson: the carpet is a patterned one

in varying shades of green-blue. Built-in seating is covered in sludge green leather.

The furniture is a standard range, but was finished to the architect's choice: chairs sludge green and green-blue, the tables covered in white marbled plastic.

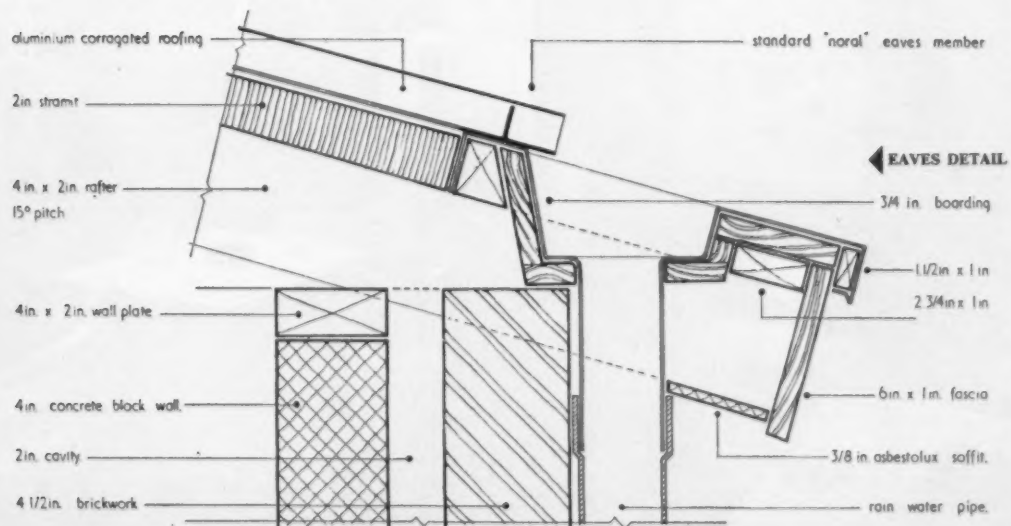
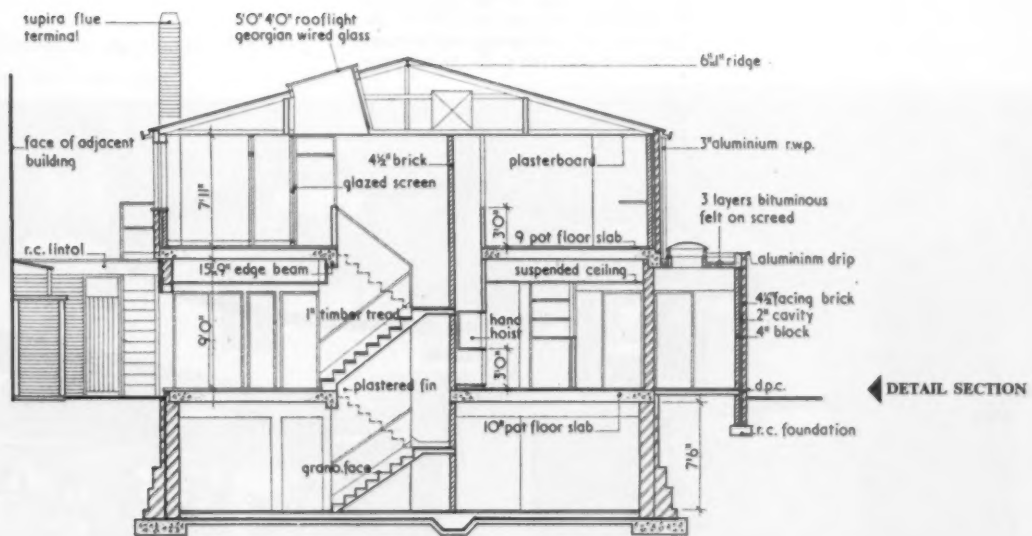
Public bar (Conker bar): White ceiling: pine boarded wall, with area of ochre coloured wallpaper. Pine boarded suspended ceiling over bar. Bar front in dark blue plastic framed in mahogany. Fittings behind bar and glazed screen in mahogany.

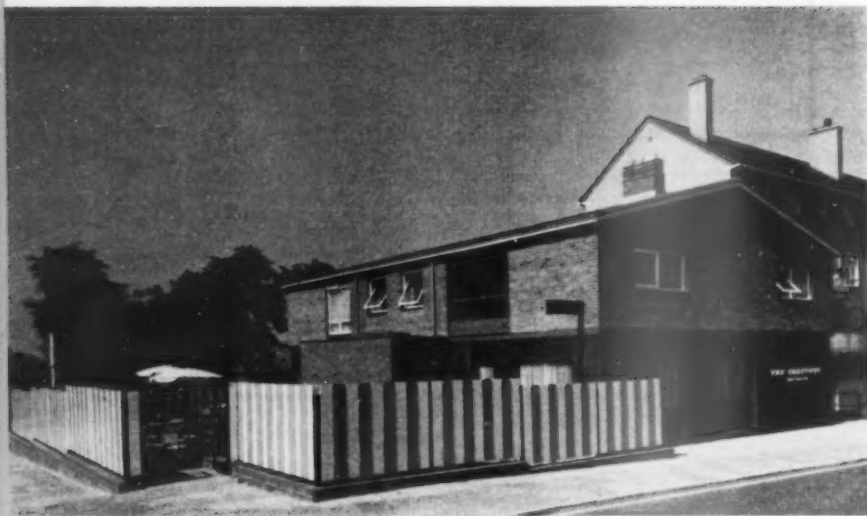
Light fittings are standard 'gaslight' type: curtains brown-green stripe: floor diamond patterned lino in three greys. The furniture is a standard range, covered in sludge green plastic to architect's choice.

continued on page 678

Below, the public house is raised above car park level, access to the Conker bar and off-licence being by a flight of steps on to a terrace







Above, the enclosed terrace adjacent to the Chestnut (saloon) bar. Below, the Chestnut bar. Fireplace and fittings in this bar are detailed on the facing page

continued from page 676

Services

Heating is by a gas-fired Radiation 'Ductair' system on the ground floor, with individual gas and electric heaters on the first floor. Water heating is by a gas-fired circulator heating a 73-gal cylinder.

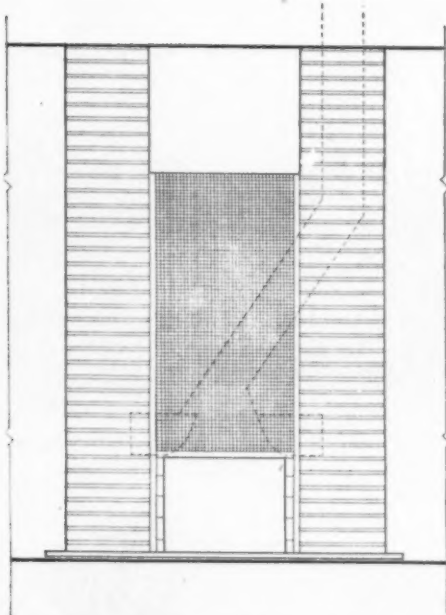
Compressors mounted on top of the fuel store provide cooling for the beer cellar and for bottles in the fitting behind both bars. An ice making unit is also provided in the cellar.

Planting

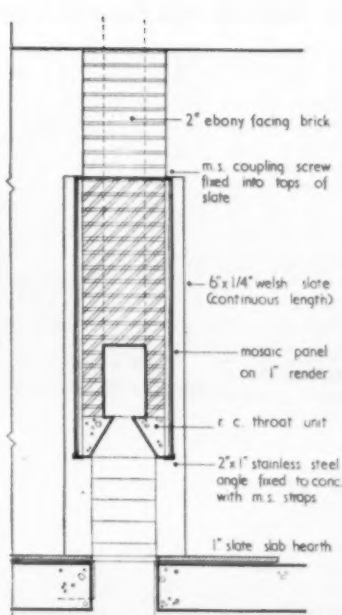
Planting had to be such as to involve the minimum of maintenance and resist the attacks of a tough neighbourhood. Around the car park the area between the double boundary walls is planted with Berberis.

The lavatory walls will be covered with honeysuckle and white clematis. There is a beech hedge around the garden, inside the vertically boarded





▲ FIREPLACE DETAIL SCALE: 1 1/2 IN = 3 FT



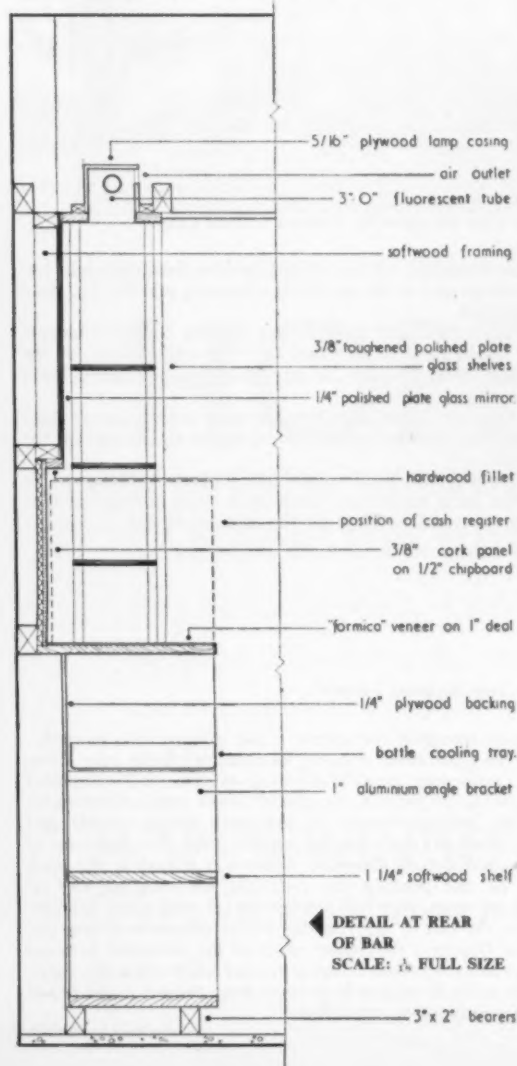
▼ The Conker (public) bar

fence: the main garden area has been turfed. Beside the landlord's entrance where there will be no sunshine, a *Polygonum Baldschuanicum* has been planted.

General Contractors: **HALSE & SONS LTD.**

Sub-contractors and suppliers:

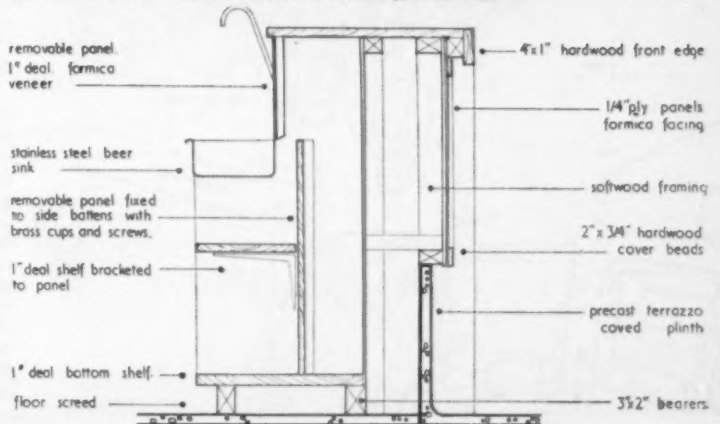
Applied Lettering: Dales Lettering Ltd. (Brighton). Cills, Copings, Thresholds, etc.: Bow Slate & Enamel Co. Ltd. Clocks: Gent & Co. Ltd. Electrical Work: Alpha Manufacturing & Electrical Co. Ltd. Escape Stair: C. A. & W. Howard Ltd. Garden Turfing and Planting: William Fromow. Gas Light Fittings: Falk, Stadelmann & Co. Ltd. Glass Engraving: London Sand Blast Decorative Glass Co. Heating: Broad & Co. Ltd. Holists: Aldous & Campbell Ltd. Illuminated Fascia to Off Licence: The Lettering Centre. Illuminated Projecting Sign: Bush Signs (Brighton). Ironmongery: James Gibbons Ltd. Metalwork: General Construction & Engineering Co. (Bedford & Son). Red Barrel and Free-standing Sign Illumination: Pearce Signs Ltd. Refrigeration: McGovarin Refrigerators Ltd. Reinforced Concrete: British Reinforced and Engineering Co. Ltd. Roofing: Alcan Industries Ltd. Sanitary Fittings: B. Finch & Co. Ltd. Sign-writing on Free-standing Sign: Fords Signs. Terrazzo Coves: 'Malacarp' Terrazzo Co. Ltd. Window Control Gear: Teleflex Products Ltd.



▲ DETAIL AT REAR OF BAR SCALE: 1/4" = FULL SIZE



▼ DETAIL SECTION THROUGH BAR SCALE: 1/4" = FULL SIZE

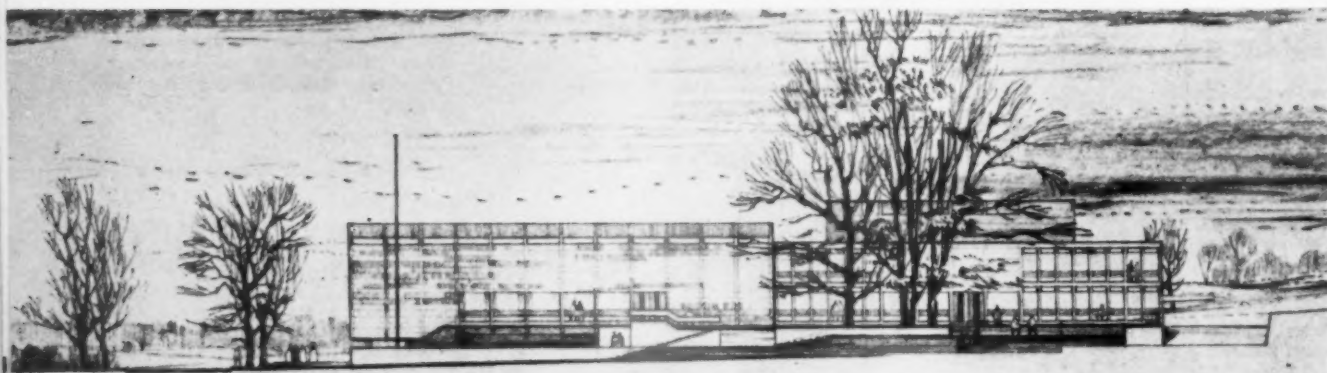


Wokingham town hall competition—2

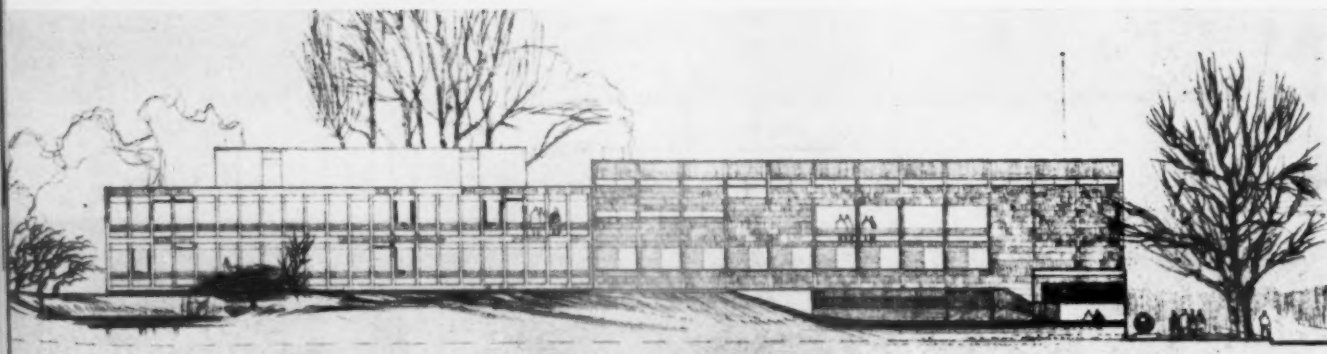
The Architect & Building News,
23 November 1960

Second premiated design :

Grenfell Baines and Hargreaves in association with David Rock and Robert Smart

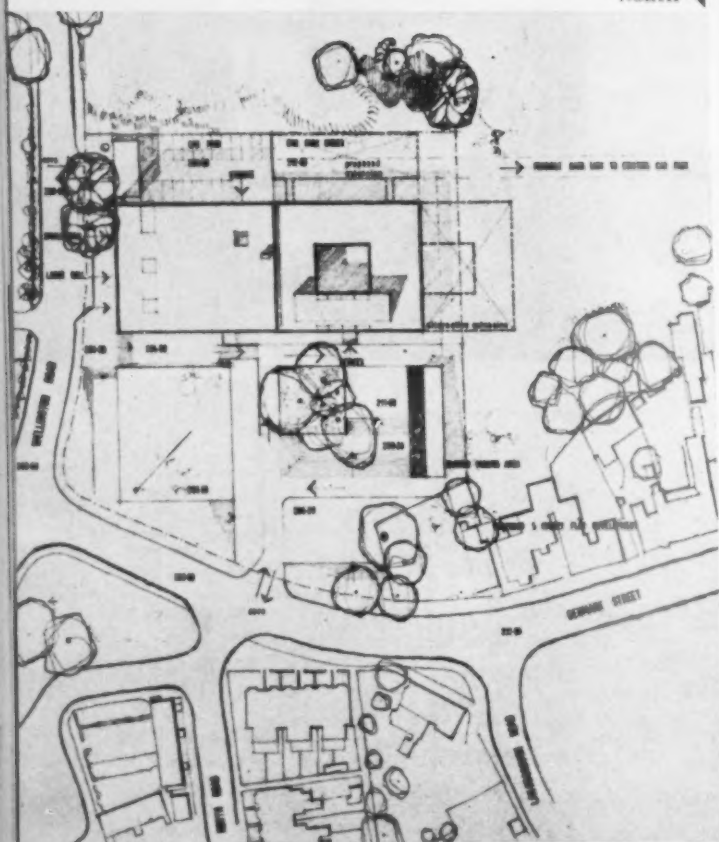


south-east elevation



north-west elevation

NORTH



Extract from the report by Assessor Clifford Culpin :

The concentration of the buildings into one rectangle has freed a large part of the site for landscaping and this has been well handled.

Car parks are well hidden, but corners in the forecourt access would have to be eased off. The office block, in the form of a hollow square, is economical in circulation both horizontal and vertical.

The Council Chamber gallery has most unsatisfactory sight lines and the problem would not be solved by mirrors on the rear wall.

The public halls section, though attractively designed, is conceived on a much too lavish scale. It is considered that the scheme could be built for the amount stated.

Extract from Architect's report :

By general standards the scheme is not of large scale, nevertheless as the Conditions indicate, the design should have Civic qualities possessing the right degree of monumentality unspoiled by pretentious or fussy expression. It seems right, therefore, to group the buildings within an extremely simple profile and situate them as far away as possible from the junctions of Wellington Road and Denmark Street which leads to the town centre. In this position the buildings will show up well on entering the town, they will readily link in with other developments on the rest of the site, the initial scheme reserving for Hall and Offices a maximum effect of the forecourt between buildings and roadways. Existing ground levels allow this large forecourt to be developed in an interesting manner giving broad effects for reasonable expenditure.

continued on page 681

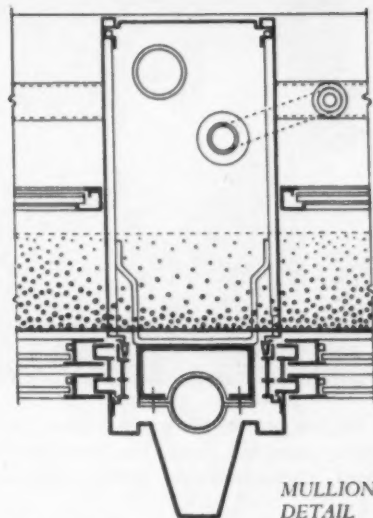


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YOU

WHICH WAY WOULD TAKE THE PYLONS?



Down in the valley, the town needs more power. The time's come to bring in a power line from the Grid. That means pylons, right across these fields, and on down into the valley.

There are perhaps a hundred paths the pylons could follow. *One* must be chosen. Not plotted arbitrarily across a map, but thoughtfully, carefully sited, so that pylons and cable strike the best possible balance with the landscape.

The Central Electricity Generating Board are just as concerned about this as they are about bringing in the

power. For the nation has charged the Board with a double duty. Not only to maintain an efficient, economical electricity supply, but also to preserve the amenities of the country as they go.

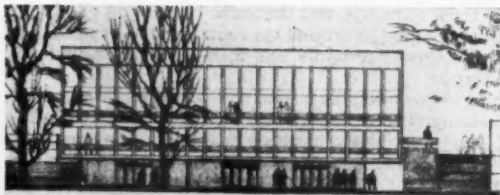
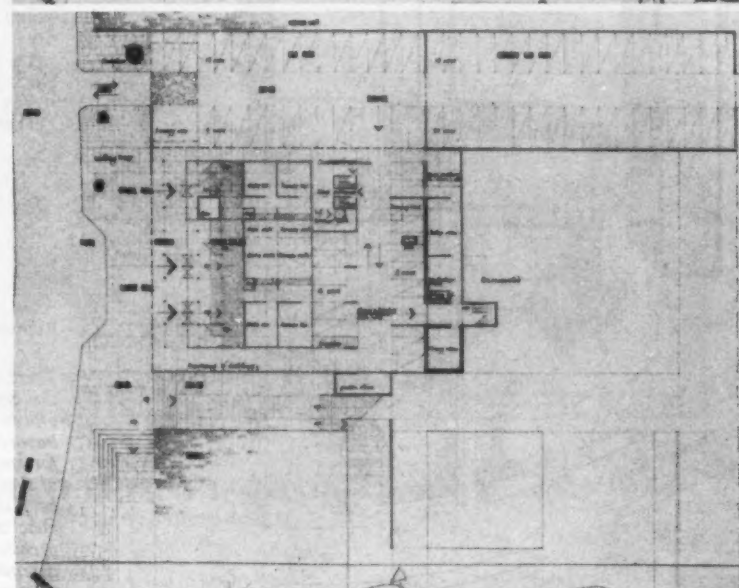
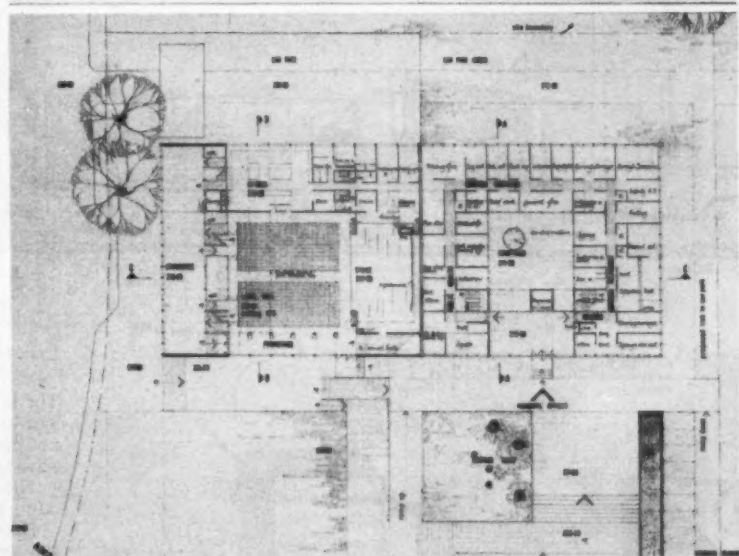
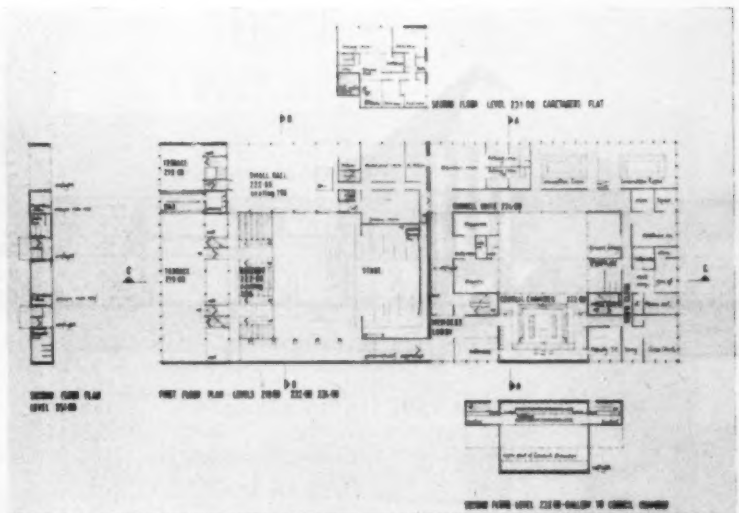
That's why the new line will be planned so that it follows the dark background of a wood here; skirts a village there; crosses skylines in the most inconspicuous way to be found; and eventually reaches the town through its industrial suburbs.



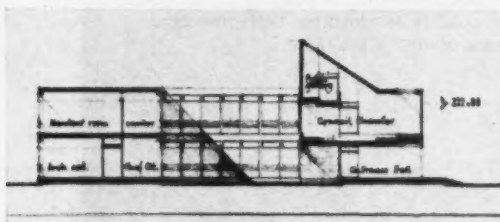
THE CENTRAL ELECTRICITY GENERATING BOARD

The hall is placed facing Wellington Road with the offices facing Denmark Street, in the quietest position on the site. Car parking is planned under buildings or screened in such a way that the appearance of the scheme will not be spoiled by a foreground of miscellaneous stationary vehicles. A sunken roadway would make possible direct connection with the large existing car park to the north-east. The magnificent group of trees in the middle of the site is retained and the whole block will be well away from the five-storey flats which are to be erected to the south. There will be no difficulty in carrying out the scheme in two stages or in carrying out the re-alignment of roadworks after the offices have been built. The courtyard form of the offices permits expansion in a number of directions offering interesting additions to the appearance of the scheme. Having decided to group the buildings in one simple unit astride the contours, full use has been made of spaces available below the ground floor level. Plant rooms, car parking, together with lower foyer to halls, are all economically contained within the main envelope, thus taking full advantage of a natural feature.

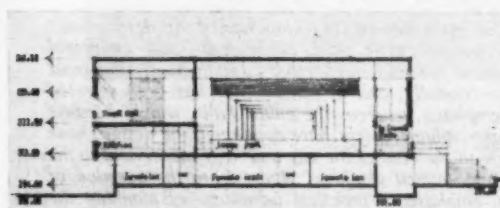
first and second floors
upper ground floor plan
lower ground floor plan



south-west elevation ▲

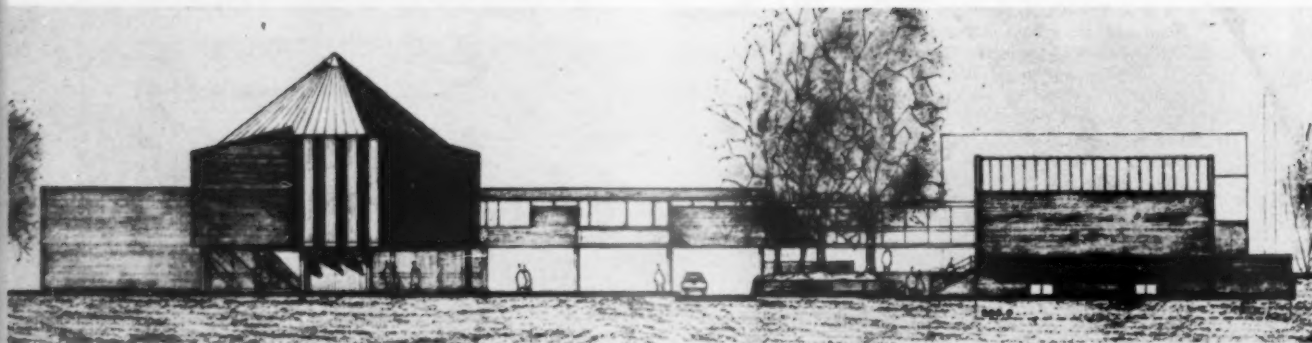


section through council chamber ▲

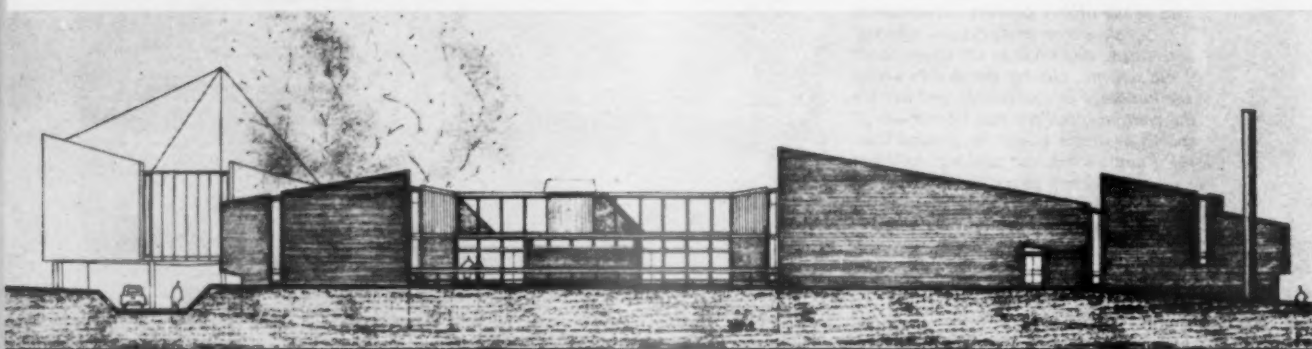


section through large hall ▲

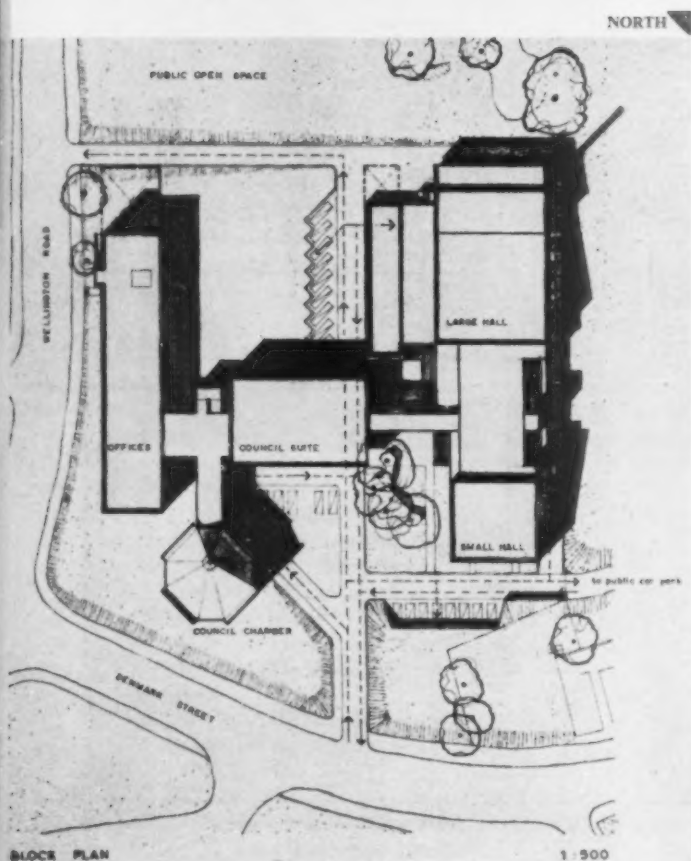
Third premiated design by William Ryder



south-east elevation



north-east elevation



Extract from Assessor's report :

The layout is most attractive and the traffic circulation good. The lowering of the ground around the central group of trees, however, would almost certainly kill them and this would have to be adjusted.

The planning is exceptionally 'clean' and would produce an admirable building. The elevations are exciting.

However, insufficient regard has been paid to economy, and the cost of the council chamber, so attractive in appearance, would put it beyond the means of this relatively small Authority.

The location of the boiler-house unit in the Assembly Hall block would make difficult the building of the scheme in two stages, the possibility of which has been envisaged.

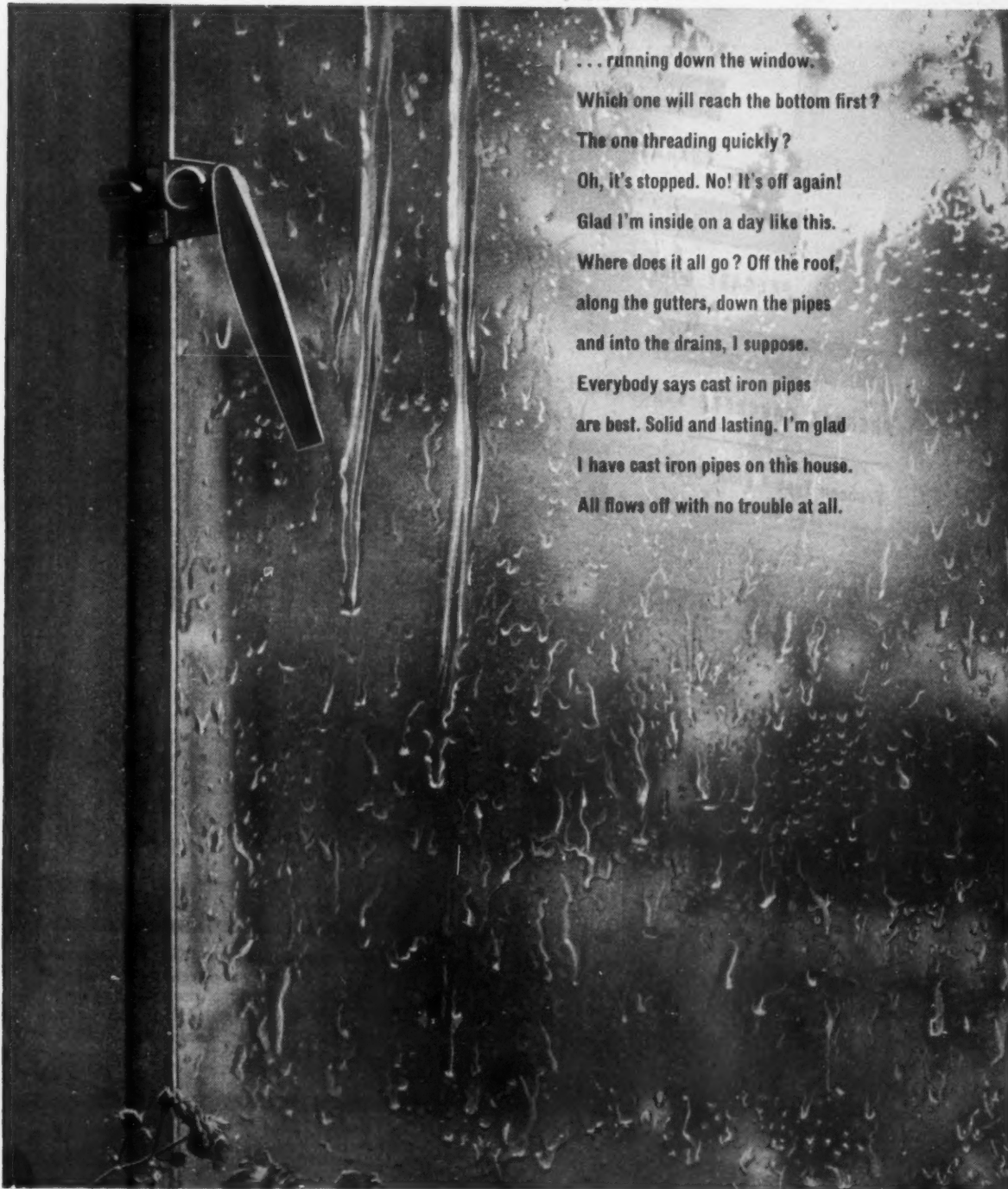
The estimate of cost is realistic.

Extract from Architect's report :

There are four main elements in a town hall of this description : the council chamber, civic suite, public halls, and municipal offices. Of these the council chamber is undoubtedly the most important functionally, and in consequence has been selected for special emphasis, whereas the public halls, which, because of their greater volume, might have dominated the design, have been set back to the rear of the site and kept subservient to the civic suite and council chamber. Apart from the question of architectural emphasis, a practical advantage of planning the assembly halls at the rear of the site, is that in this position they are not too distant from the existing public car park.

continued on page 683

WATCH THOSE TWO...



... running down the window.

Which one will reach the bottom first?

The one threading quickly?

Oh, it's stopped. No! It's off again!

Glad I'm inside on a day like this.

Where does it all go? Off the roof,
along the gutters, down the pipes
and into the drains, I suppose.

Everybody says cast iron pipes
are best. Solid and lasting. I'm glad
I have cast iron pipes on this house.
All flows off with no trouble at all.



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Information for Architects

Truscon REFERENCE SHEET
PRECAST CONCRETE STRUCTURAL FLOORS

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Truscon REFERENCE SHEET
PRECAST CONCRETE STRUCTURAL FLOORS

Truscon Type 1 Floor Unit

Purpose made precast concrete units of channel section. In-situ end filling is retained by metal end caps supplied with the units (Fig. 1).

Detailed working drawings, showing the placing of the units and ancillary fixings (Fig. 6) are supplied for each job.

Estimates are given for supply and fixing and for supply only.

LOADING

The Truscon Type 1 unit is designed to carry superimposed loads on floors and flat roofs in accordance with chapter V, CP.3 (1952). Additional loads such as equipment, walls, and loads in excess of chapter V, CP.3 (1952) may be carried by means of 8" wide units, or by the addition of a structural topping. Superimposed loads of over 3 cwt. per sq. ft. have been carried in this way.

WEIGHT

The absence of a bottom slab gives the Type 1 unit exceptional lightness—(compared with a solid slab) a saving of weight as great as 40%—enabling reductions to be made in the size of the supporting structure and foundations.

SERVICES

The open soffit of Type 1 units allows the installation and servicing of plumbing, electrical conduits, drainage, lighting, etc., within the thickness of the structural floor, achieving the least possible depth from floor finish to ceiling (Fig. 5). Holes for services can be provided in the top slabs of units—openings up to 10" square being blocked out at works; holes, up to 3" diameter can be cut on site.

FINISH

The tops of the units are roughened to receive a screed. The soffits, being cast on steel moulds, have a smooth surface, and require little further treatment when no ceiling is required.

QUALITY

The concrete, reinforcing steel and workmanship comply with the requirements of CP.114 (1957).

Figure 1: Sections of Type 1 units.

Table 1: Loading table for full width units.

Unit depth	11" top slab		100 lb/sq. ft.		Unit depth		7" top slab		200 lb/sq. ft.	
	Load up to 80 lb/sq. ft.	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"
3"	11" 0"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"	10" 10"
4"	13" 0"	13" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
5"	15" 0"	15" 0"	16" 0"	16" 0"	16" 0"	16" 0"	16" 0"	16" 0"	16" 0"	16" 0"
6"	16" 0"	16" 0"	17" 0"	17" 0"	17" 0"	17" 0"	17" 0"	17" 0"	17" 0"	17" 0"
7"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"	18" 0"

Table 2: Dead weights.

Unit depth	Wt. sq. ft. with grouting	Wt. sq. ft. unit only	Fire test Report No.
3"	36 lb.	36 lb.	FRCSI 483
4"	39 lb.	43 lb.	estimate
5"	41 lb.	46 lb.	estimate
6"	43 lb.	49 lb.	estimate
7"	45 lb.	52 lb.	estimate
8"	47 lb.	54 lb.	estimate
9"	49 lb.	57 lb.	estimate
10"	51 lb.	60 lb.	estimate

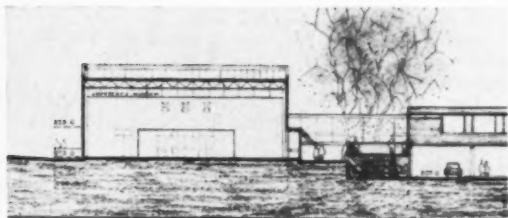
Table 3: Fire resistance.

Fire Resist. in hours	Top slab thickness of precast unit	Top treatment	Ceiling construction	Fire test Report No.
4	11"	1" sand/cement screed	1" Gypsum plaster on HV-RIB Lathing	FRCSI 483
2	11"	1 1/2" sand/cement screed	1" Gypsum plaster on metal lathing	estimate
	2"	2" sand/cement screed	none	estimate
	11"	1 1/2" sand/cement screed on 1" steel reinforcement	1" Gypsum plaster on 1" plaster board on timber battens	estimate

Truscon

Henceforth Truscon will present technical information concerning their products and services in the form of reference sheets to British Standard A4 size. The first three sheets, dealing with Truscon precast floor units, are now available on request from Truscon Limited, 35/41 Lower Marsh, London S.E.1. WAT 6922

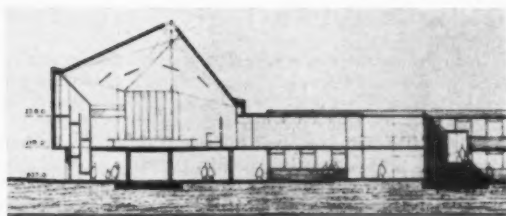
Also at: Birmingham, Edgbaston 4391-2-3 · Bristol 21861 · Glasgow, Central 0157-8
Liverpool, Central 5281-2 · Manchester, Trafford Park 2766 · York 24594



section through large hall ▲

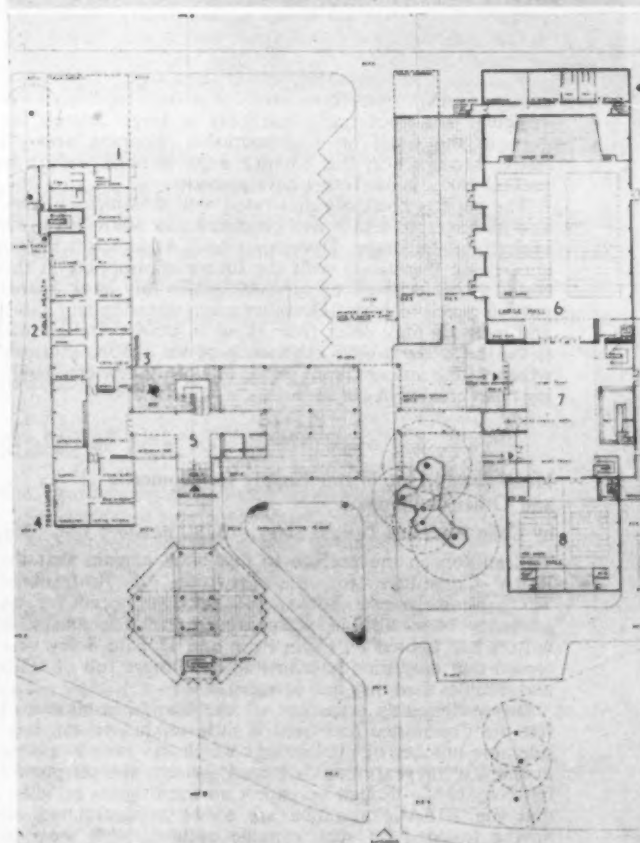
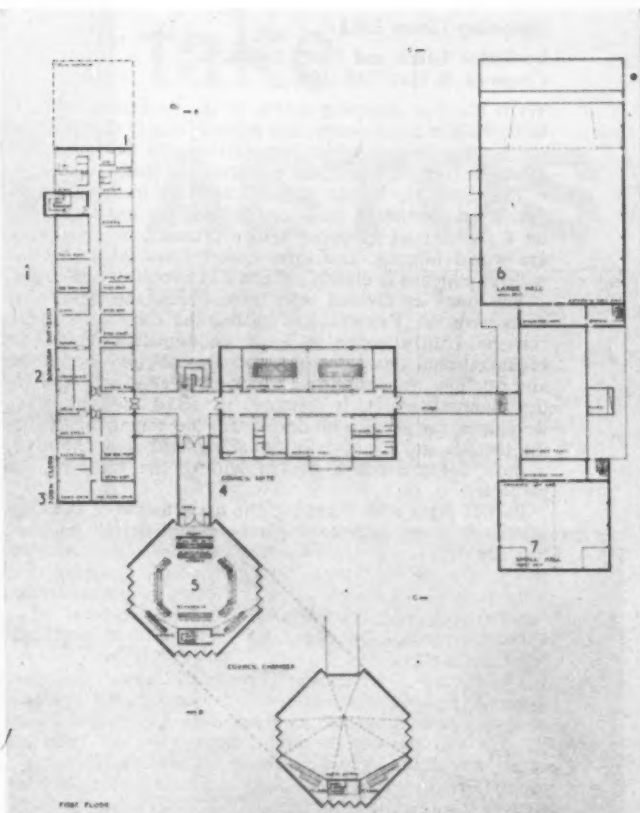
ground and first floor plans ►

Ground Floor Key: 1. Future Extension. 2. Public Health. 3. Housing. 4. Treasurer. 5. Main Entrance. 6. Large Hall. 7. Foyer. 8. Small Hall. First Floor Key: 1. Future Extension. 2. Borough Surveyor. 3. Town Clerk. 4. Council Suite. 5. Council Chamber. 6. Large Hall. 7. Small Hall.



section through council chamber ▲

The council chamber is constructed on pilotis, with a floodlit pool and fountain underneath, and forms the focal point of the whole development. Octagonal in plan, clad in brickwork, and with an irregular conical roof covered with copper, it would be striking architecturally, and yet completely functional in design and construction. The civic suite is also planned on pilotis, permitting vistas through to the open courtyard beyond. The feeling of spaciousness thus created would justify the proposed treatment, but in addition the covered area might be useful for open air exhibitions. The spacious entrance hall with staircase cantilevered over an ornamental pool, and with spotlighted modern sculpture adjacent, gives access to both the civic portion of the building and also the municipal offices. Municipal offices are planned on a simple grid with mullions to windows closely spaced to allow flexibility in the placing of partitions. Construction is a reinforced concrete frame, floors, and roof, with brick cladding externally. Although planned to be used separately, the public assembly halls have a common foyer, lavatories, cloakrooms, kitchen and bar facilities. The foyer can be divided by barriers if need be, or the two halls can be used together for a single function if this should be desired.



Shopping Towns USA

by Victor Gruen and Larry Smith.
Chapman & Hall Ltd. 108s.

WITH the first shopping centre, in the American sense, yet to be built in this country, it is perhaps timely that this book written by two recognized experts in this field should be available to would-be developers and architects.

The authors, Victor Gruen, an architect, and Larry Smith, an economist, have co-operated for nearly 10 years on a number of shopping centre projects, most of which are world famous, and their expert knowledge based on wide experience is clearly reflected in everything they say.

The book is divided into three parts—the first, which deals with the 'Prerequisites' carries the sub-title 'Planning can be fruitful only if basic economic, physical and organizational characteristics are present' and enumerates and qualifies the conditions which must exist as a basis for the planning effort. It discusses in detail the role of the developer, the area to be developed, the actual site, zoning, the tenants and methods of financing, and gives the reader a most comprehensive background to the birth of such projects.

Part II deals with Planning, the main theme of the book, and in it every aspect of planning and design has been thoroughly covered from the angle of Developer, Architect and Economist—the three principals of the planning team. This section ends with a list of case studies analyzing, summarizing and comparing the salient features of 23 executed projects in the USA—an excellent and most revealing summary.

The third part, titled 'The Completed Center', deals with some of the special activities which occur in the operation of shopping centres such as advertising, shopkeepers' associations and the use of public areas for exhibitions and other 'stunts' to stimulate interest by making the centre a social part of a live community, and not just a shopping area in the commercial sense. Naturally the methods discussed refer very much to an American way of life, but the principles are there to be translated to suit the habits of any other country.

There is a useful epilogue on the future of shopping centres which underlines the eventual separation of vehicular and foot traffic not only in large centres, but even in the small or neighbourhood shopping areas, a lesson which we in this country must learn if we are to prevent chaos in our future developments.

The book is profusely illustrated with drawings, sketches and photographs and is well produced and written in easily understood language. Developers and Architects who are concerned themselves with the future of shopping in this country will do well to carefully study this book before putting pencil to paper. However much our shopping habits and methods may differ from those in USA there is much to be learnt from their experience of the shopping centre, which, as the authors point out, is one of the few new building types created in our time.

E.E.S.

Heating and Hot Water Supply for Domestic and Other Buildings

by Colin Penn and Donald Soley. B. T. Batsford Ltd. 35s.

THE authors in the preface to this book explain that the RIBA Committee for the Provision of Professional Text and Reference Books had felt the need for an adequate book and in searching around for amenable writers had lighted on Colin Penn and Donald Soley who record that they found authorship even more full of trials and troubles than they had foreseen.

On reading this statement of the book's inspiration I felt the Committee had been a little unkind to the considerable number of publications which has been available in the last 10 years but as I read through the chapters I felt convinced—though no expert on the subjects myself—that the RIBA Committee are to be congratulated on having fastened on such capable authors, who seem to have dealt very adequately with all aspects of the subjects,

and in greater length and detail than one would have expected. It should be quite possible for any architect—and it is for architects the book was written—to design on paper thoroughly satisfactory installations.

The opening chapter on fundamental definitions is a trifle discouraging for it is not easy to give these interest unless they are "clever-clever" in Reader's Digest style and I felt that the definitions would have been better placed at the end. As I read on, however, I could only agree that definitions in this case must take the natural place otherwise one cannot make sense of some of the succeeding chapters. One can always skip the formulae quoted until one has need of them.

It is impractical to speak of heating in buildings without reference to the human body and structures. The meaning of comfort conditions, as to temperature and humidity, is explained and from there the insulation factors are considered. It is good to see that proper emphasis is placed on the value of inner linings of "low specific heat" as an important aid to the quick achievement of comfort conditions but the references to materials—plywood panelling and fibreboards—leave out the more recent and very promising materials which are surprisingly robust—polyurethane and polystyrene, or for that matter, light weight plaster, to which reference is made only for its sound absorbing qualities.

Heating systems are designed suitable for houses, offices and a village hall. They are designed as to temperature requirements of rooms, heat losses through floors, ceilings or roofs, walls and windows with aspect taken into account. Full calculations are given. The various heating units are described briefly but sufficiently to explain principles, the forms of heat emitters, such as "radiators", convectors, unit heaters, etc., are described also, and calculations given for sizes, pipe friction losses and sizing, pump sizes together with all desirable diagrams. Having worked all these out, the authors then check back on the loading and give advice on the boiler sizes to be adopted, which for reasons they explain, may not be exactly in accordance with calculations. Similar study is given to the hot water supply and again they point out most necessarily that, while in domestic work one boiler will commonly serve both for heating and hot water, there are times when second thoughts will show that two boilers are advantageous in running costs and efficiency of both heating and hot water requirements.

Incidentally, it should be noted that the authors include notes on electric floor heating and include design data but steam heating is not mentioned.

The book benefits from the personal experiences of the authors, who now and then give examples of applications, including the problem many must by now have met of trying to get back used ducted air past the input duct in the Ductair system—a problem which is not always apparent until the job is rather far advanced.

Heat pumps are referred to briefly as being used to some extent on the Continent and in the U.S.A. where the climate favours them. There is no reference to the Royal Festival Hall trial installation nor to the Norwich example. The Clean Air Act is also mentioned in connection with coal as used in stoker systems but not in connection with approved open fires. I looked for information on insulation of factory roofs in the hope that some light might be thrown on the Ministry's apparently arbitrary figures for the "U" values compared with those adopted by the IHVE but without success: in fact, the Thermal Insulation (Industrial Buildings) Act is not mentioned. The authors recommend where electric floor heating is installed in flats that the slabs must be insulated below and at edges: two points here, one, that although the Scottish electricity boards have been pushing this type of heating for some years they have not apparently suggested that insulation be considered, e.g. East Kilbride and Cumbernauld have adopted different answers, and two, that odd things can happen to the structure if one intermediate flat is deprived of heat in very cold weather. Gas space heating is referred to only in connection with the Radiation system but another rather more limited system is now on the market. The precautions to be taken against gas fume deposit on flue walls are mentioned and are most important where an existing chimney has to be



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used. Safety cut-offs for gas-fired boilers are mentioned where due to temporary stoppage and one hopes that these cater for momentary hesitation in supply which only an American device was reported fairly recently to be able to control.

The diagrams are clear and easily followed from the text but I would ask the authors why "open vent pipes are led to and bent down over tanks" (i.e. cisterns). This is a clumsy habit and requires large holes in the insulated cover. Why not take the vent pipes through the sides of the cisterns well above overflow level—or will the water authorities not allow this? On the hot water section both indirect and direct systems are shown and in these the cold supply is shown to enter the cylinder without a U bend, so there is risk that, if an immersion heater is installed, the water in the cistern will also get nicely warmed. Incidentally, I would have liked to see draw-off cocks shown to satisfy the MWB.

At 35s this book is excellent value to architects—and there must be many—who find heating and hot water installations of absorbing interest and are ready to argue principles and practice with every heating engineer they meet. It is well printed and bound in the usual Batsford manner.

A. A. MACFARLANE.

What to See in a Country Church

by Lawrence E. Jones. Published by Phenix House Ltd. 10s 6d.

In this attractive book the Honorary Lecturer to the Historic Churches Preservation Trust takes the reader round an old church, pointing out all the interesting features he is likely to find, and illustrating each with a very clear picture of a good specimen. There are 141 black and white photographs and seven colour plates (good value for 10s 6d) accompanied by a running commentary from the erudite guide. We are taken to some 140 parish churches from Hexham in the North with its famous night-stairs, to St. Levan in the South, 'a typical Cornish scene and church'. It is, in fact, like a book version of a fascinating lantern lecture. We begin outside with the tower or spire seen as we approach, we examine the exterior of the building, then enter, and after viewing the roofs or the vaults, inspect every detail from font to reredos, with a good look at the monuments before leaving most appropriately via the alms box at Pinhoe in Devon, where we are reminded to make an offering for the maintenance of the fabric we have so enjoyed.

The Betjeman fan may be disappointed at the resolutely medieval approach of the erudite author, for though most of our country churches are medieval buildings, their contents are frequently Victorian, and often none the less worth looking at for that. The enthusiast for contemporary building may regret that his attitude is antiquarian rather than architectural—only the plate of Ipplepen tower conveys a sense of architectural values of texture and mass and form. It remains true, however, that a knowledge of ancient buildings, a love of good craftsmanship of whatever age, an interest in the detail and placing of subsidiary features are marks of a good architect and this book does superlatively well what it sets out to do.

D.W.

Art and Illusion

by E. H. Gombrich. Phaidon Press Limited. 70s.

THE 'Illusion' in the title is the pictorial convention of representing three dimensions on two-dimensional surfaces; not the illusions that we accept in sculpture nor the more complex illusions of architecture itself. This framework is used to study the nature of perception. The author challenges the dichotomy of 'knowing' and 'seeing': that is, the traditional distinction between the 'conceptual', equated with Primitive art, and the 'representational', equated most nearly with Impressionism. Some 350 pages later he can reasonably assert not only that all representational art is conceptual but that (successful) Expressionist and Abstract art uses the same means. This, of course, is

a necessarily cursory way of putting it; the book's immediate value to architects is the analysis of perception, a timely corrective to overmuch 'technology' and that sort of thing. Architects deal in the look of buildings and spaces—whether they ought to look large or small, heavy or light, high or low, solid or transparent or ephemeral, etc., and how to make them do so. (Should one not also say: quiet, gay, serene, bold, austere, less neutral values?) The more therefore we learn of what Dr. Gombrich terms 'the psychology of perception' the better.

The ground is cleared of the delusion of the 'innocent eye': the eye divorced from the mind, supposedly—like a camera permanently in focus?—the recipient of autonomous 'images on the retina'. Proof is rendered absurdly easy by the diagram captioned 'rabbit or duck?', a familiar drawing which can be seen *either* as a rabbit's or as a duck's head (in which case the features change) but *never* as both. The eye and the mind act together and cannot perform separately. Elsewhere perception is likened to a constant game of 'Twenty Questions' which we continuously play. More technically 'all cognitive processes . . . perceiving, thinking or recalling, represent hypotheses (which) require answers in the form of some further experience'.

Both in the history of art and in the studies of individual artists it is shown that the picture-making process is one of 'making and matching', in that order. The use of 'schemata'—ranging from analysis into simple shapes to knowledge of anatomy—is helpful, even essential. (The constellation for which a Lion is our schema is a lobster to South American Indians. Either schema is valid; both are used for recognition.) In the absence of this method misrepresentations, e.g. of galloping horses and unfamiliar animals, were perpetuated over the pre-camera generations. Although the author makes no such suggestion I think his ideas apply pretty exactly to architectural design, where one first 'makes' a sketch then 'matches' it to one's feelings of what is needed, the whole guided by acceptable 'schemata' and the acknowledged 'mental set' of one's time. An example of 'mental set' is the Bayeux Tapestry, the author of which not only accepted tree symbols, but could not conceivably have woven a realistic oak or a palm had he wished to. The spectator accepts the tree symbol—the 'stereotype'—too. Just as 'art is born of art, not of nature' (Malraux's proposition) and just as the artist 'will tend to see what he paints rather than to paint what he sees', so the spectator will play his vital, conditioned part. Failure to communicate is therefore the artist's—how welcome a critic for whom not everything goes.

How big is the moon, a dime or a dollar? For answer I commend this brilliant study, a most absorbing whodunnit, to every architect prepared to accept Bishop Berkeley's proposition. Having argued that knowledge of phenomena is derived from sense perceptions—sight, touch and so on—the bishop sensibly went on to say that you can't in the same way 'know' that the table is still there when you are out of the room. If, like Dr. Johnson, you don't see the point, leave Gombrich unread—and stay silly.

JAMES CUBITT.

Books Received

Daily Mail Book of Bungalow Plans. Published by Associated Newspapers Ltd. Price 3s 6d. This 1960/61 edition contains 29 designs, all incorporating different styles, problems and requirements. A selection of ready-made houses available on selected estates in various parts of the country is included and there are articles on: Finding the Money; The Right Roof; New-Look Doors and Windows; New Cookers; and Oil-fired Central Heating.

Practical Lettering and Layout, by Frederick J. Mitchell. Published by Adam & Charles Black. Price 8s 6d.

The Federation of Civil Engineering Contractors Handbook 1960-61. Price 12s 6d.

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements made to the existing ones. Any advantages claimed on behalf of the products are taken from information given by the manufacturer

Transistors for the Control of Lifts

New electronic equipment developed by this company is believed to be the first application of the use of transistors throughout for the control of lift operation. Until now, installation of control equipment has presented difficulties because of the bulk, weight and reliability of the units and with a mechanical selector there is little choice regarding the position it occupies. It is claimed that the new equipment overcomes these difficulties. The control unit is small, light and easy to install and its position in relation to the remainder of the installation is not dictated by any mechanical requirements. The static switching unit contains no moving parts whatsoever, its operation being entirely electronic. Maintenance requirements are practically nil since relays with their numerous contacts are eliminated. The functions of control and selection are combined in a single unit and it is enclosed and dust-proof. The control system is built up from assemblies, each of which provides control for one floor. There are three basic types covering terminal floors, intermediate floors and output and each incorporates its own selector unit. Assemblies can be quickly removed in the event of a defect occurring and a spare substituted and connected up immediately, only three small basic transistor units being required for this purpose in installations of any size. Connections from each assembly have solderless taper pin terminations so that instant connection or disconnection can be made from the terminal blocks on the frame. The units operate on low voltage. Wiring is of light gauge and live wiring presents no danger, or so it is claimed. The system is at present in use in the P. & O. Company's Canberra liner which is at present under construction. Approximate dimensions of a transistor control unit for eight floors are: 12½in wide, 6in deep, 18in high.

*J. & E. Hall Ltd., Dartford, Kent.
Readers' Information Service
Ref. A. 23/11/60.*

Armourplate Door Furniture (B)

This company has introduced a combined lock and handle fitting exclusively for and obtainable only on their complete Armourplate glass doors. The fittings are made basically from aluminium and incorporate a five-pin tumbler cylinder lock. A cellulose finish in any of seven colours is applied to the basic aluminium to prevent colour fading or corrosion of the metal.

Overall measurements: 9½in wide by 6in high by 1½in projection. Colours: black, gold, silver, bronze, red, green and blue.

*Pilkington Bros. Ltd.,
St. Helens, Lancs. St. Helens 4001.
Readers' Information Service
Ref. B. 23/11/60.*

Rol-Sac Postal Pack (C)

A postal pack has been developed for mailing samples and small products. The body is tubular in shape, with end beading to help in retaining the base and protecting the contents. The pack is creased at the neck and is opened and closed by means of a metal clip. The packs can be built up to individual needs and barrier liners such as V.P.I. papers, polythene and aluminium foil can be wound on the inside of the pack or buried in the wall as an inner ply. Manila tag labels can be used when addressing and stamping mechanically. House colours, monograms, trade marks, labels and other media can be incorporated.

*Rolex Paper Co. Ltd.,
Friendly House, 21/24 Chiswell Street,
London, E.C.1.
Readers' Information Service
Ref. C. 23/11/60.*

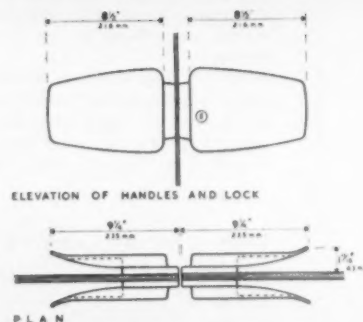
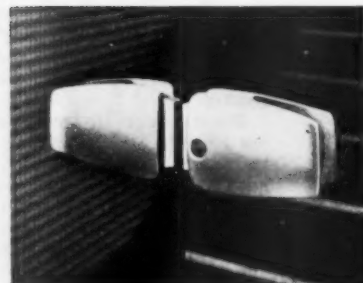
Portable Fire Alarm (D)

The Fire Cry-er alarm is a portable unit which does not require mains electrical supply. It measures only 6in by 3in and can be hung on a hook at high points within the building which is to be protected. It is claimed to be capable of giving warning up to a range of 1,000ft when the temperature rises to 135/140 deg F. The alarm costs 79s 6d and is available ex stock.

*Fire Cry-er Ltd., Jack Bridge Mill,
Colden, Hebden Bridge, Yorks.
Hebden Bridge 833.
Readers' Information Service
Ref. D. 23/11/60.*

Drill/Anchors

Bulldog Gold Digger drill/anchors, which have been widely used in the USA for some time, are now available in this country. They provide a method of fixing particularly suitable for securing heavy loads to concrete, masonry and brickwork. Each drill/anchor has hardened cutting teeth and will drill its own hole to a definite depth and diameter. Installation may be carried out with an electric or air hammer or by hand hammer in a



Pilkington's Armourplate door lock and handle fitting (B)



The Rol-Sac postal pack (C)

The Fire Cry-er portable fire alarm unit (D)



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matter of seconds. They can be drilled into any grade of concrete without difficulty and it is not necessary to break up the aggregate during the course of drilling owing to the crushing action of the teeth. Once the hole has been drilled, the drill/anchor should be removed and a hardened steel expansion plug placed in the cutting end of the shell which is then driven back into the hole. This expands the inner end of the drill/anchor; at the same time, the special POW-R-GRIP ridges undercut and become embedded in the concrete, thus making a secure, vibration-proof fixing. It is claimed that the strength of the anchorage is greater than the strength of the material into which it is fixed. The fixings are available in sizes from $\frac{1}{4}$ in to $\frac{3}{4}$ in and flush, rod hanger, tie wire and stud bolt types are available.

F. H. Bourner (Fixings) Ltd., Manor Royal, Crawley, Sussex. Crawley 26166.

Readers' Information Service Ref. E. 23/11/60.

★

Modified Power Vane Compressor (F)

A new version of the CP 125 c.f.m. rotary power vane compressor has been produced. It has a streamlined canopy and a towbar support. The basic compressor design is unchanged and consists of two eccentric vane-type compression stages which are mounted in line with the engine; positive alignment of the engine and the first stage compression casing being by a tandem piece with a further tandem piece separating the two compression stages. The compressor is powered by a four-stroke, four-cylinder Ford 592E water-cooled, direct injection diesel engine which develops 47 b.h.p. at a governed speed of 1,800 r.p.m. on a continuous 12 hr rating. The fuel pump is a series SPE-A multi-cylinder Simms unit and the injection nozzles are of the four-hole type. A 12V electric starting system is used. The standard two-wheel mounting is supplied with a retractable towbar support wheel, but four-wheel mounting can be supplied if required. The two-wheel version can be towed at road speeds of up to 20 m.p.h., parking and overrun brakes being fitted. Overall measurements 12ft 5in long (including towbar) by 5ft 1in wide by 5ft 7 $\frac{1}{2}$ in high. Weight: 3,192lb.

Consolidated Pneumatic Tool Co. Ltd., 232 Daves Road, London, S.W.6. Readers' Information Service Ref. F. 23/11/60.

★

Folding Seat Stands (G)

The Wayne Roll-A-Way folding seat stand can be stacked vertically against the wall and will pull out easily when spectator seating is required. The system can accommodate any number of people and will be fitted at the

LCC's new sports stadium at Crystal Palace. When supporting only its own weight, the equipment runs silently on rubber-faced wheels, but a live load causes the wheels to retract. The weight is then distributed through rolling base-plates, which house the wheels, to the floor. A self-locking system operates through a riser board fitted to the first row. Lowering this causes the eight-point locking arrangement to make contact with the floor; lifting it retracts the eight brakes. Any number of rows can be rolled out from the stowed position and the whole assembly locked. Models are offered for wall or floor attachment and a recessed arrangement when designed as an integral part of a building. Basic styles are model 30, hand operated; model 70, a power operated version which can be made to any length; and model 50 which has folding bleachers and forms a smooth sloping surface when retracted against a wall. Seats, risers and foot boards are of lacquered Douglas fir or mahogany and the undercarriage of grey enamelled steel. Motorised models have self-contained power units but these can be disengaged to allow manual operation when necessary.

Lodge Equipment Ltd., Achilles Works, Island Farm Trading Estate, West Molesey, Surrey. Molesey 6091.

Readers' Information Service Ref. G. 23/11/60.

★

Acoustic Tiles Modified (H)

Travertone acoustic tiles have been given a new appearance as a result of demands from architects for a more characteristic and directional patterning. They now have a deeper travertine texture than before but the new fissuring allows acoustic efficiency and fire resistance to remain unaltered and improves the repaintability qualities. Paint colour, type and quality of material are unchanged.

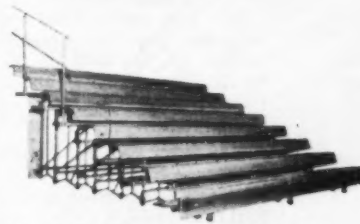
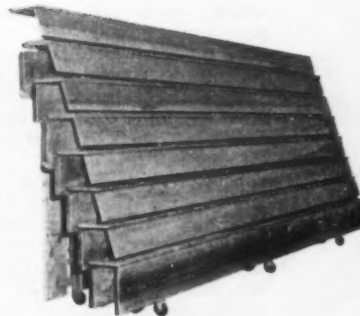
Armstrong Cork Co. Ltd., Bush House, Aldwych, London, W.C.2.

Covent Garden 1101. Readers' Information Service Ref. H. 23/11/60.

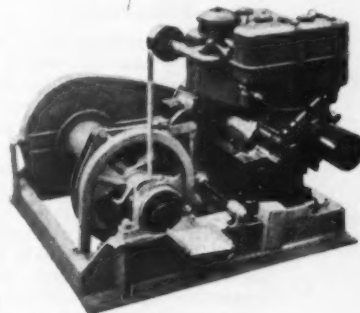
★

Power-driven Winch (I)

The No. 3 power-driven single-barrel winch is a small general-purpose unit capable of lifting a maximum load of 10cwt and also operating an 8cwt drop hammer at 120ft per min. It uses a 6in dia cast iron barrel with an effective length of 15in but an alternative barrel 12in long may be fitted if required. The barrel is operated through a Jackson friction clutch and is carried on ball and roller bearings in grease-tight housings. The drive from the engine is by a duplex chain and an external contracting type foot-brake is fitted. It is claimed that the unit has a high degree of control



The Roll-a-Way folding seat stand, closed (top) and open (bottom) (G)

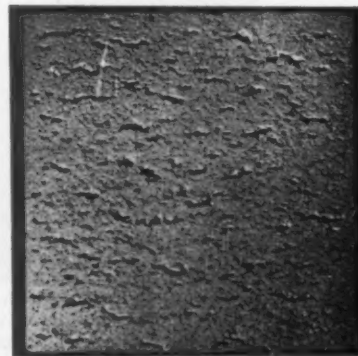


No. 3 power-driven winch (I)



CP 125 power vane compressor (F)

The Travertone acoustic tile (H)



where loads are required to be positioned with the maximum accuracy. A speed control and a warping drum can be fitted as optional extras. The winch may be powered either by an SL2 Lister twin-cylinder air-cooled diesel or a 5B JAP single-cylinder petrol engine. The diesel engine develops 5½ b.h.p. at 1,200 r.p.m. and is fitted with a 3 to 1 reduction gear box. It uses direct injection, by means of a pintle type nozzle and a combustion chamber in the crown of the piston to obtain low fuel consumption and rapid cold starting. The petrol engine develops 5 b.h.p. at 1,800 r.p.m. and is fitted with a 4 to 1 reduction gear box. Overall measurements: 3ft 6in long by 3ft 6in wide by 2ft 8in high (diesel) and 2ft 2in high (petrol). Weight: 1,000lb (diesel) and 680lb (petrol).

Henry Sykes Ltd., Southwark Street, London, S.E.1.

Readers' Information Service Ref. I. 23/11/60.

*

Anti-Corrosion Primer

Anogal rustproofing liquid metal is a paint-like material which has an electro-chemical reaction with steel. It is applied in the same way as paint and when dry is stated to possess the electro-chemical properties of an anodic metal coating applied by conventional methods. It is claimed to have good properties of adhesion, flexibility, resistance to mild chemical attack and compatibility with all known finishing materials. It achieves maximum electro-chemical reaction with underlying steel (resistivity 250 ohms per sq in) with only 89 per cent metallic powder content, whereas 95 per cent metallic powder pigmentation has sometimes previously been necessary to achieve the same values. It is a single-pack material which does not require the addition of a catalyst and is compatible with cellulose paints and other paints which are not normally suitable for application on other primers. Anogal has a dry-heat resistance to 550 deg F and is made in a semi-thixotropic state with good flow properties. Very little settlement occurs even after long storage. Finish: Battleship grey, matt.

Corrosion Prevention Ltd., Welford House, 8 Victoria Avenue, Harrogate, Yorks.

Readers' Information Service Ref. J. 23/11/60.

*

Hypalon-based Paint

Texseal is the name given to a versatile liquid coating which has elastomeric properties. It has been developed by the Dunlop Rubber Company and is based on Hypalon synthetic rubber, a product of E. I. DuPont de Nemours & Co. Inc. Texseal is stated to be resistant to chemicals and ozone and

would, therefore, appear to be particularly suitable for application in the corrosion protection of chemical plant and structural steelwork, particularly in marine installations. Other properties claimed on behalf of Texseal are that it has good flame resistance, is suitable for continuous service at temperatures up to 250 deg F and has good colour retention. It can be applied to concrete, steel, fibreboard, wood and rubber with good adhesion between the coating and base material. The product can be brushed, sprayed or applied by dip and spread coating. After application, the film of paint dries quickly and simultaneously commences to cure. Curing will take a few days at room temperature or a few minutes at 250 deg F but it is claimed that the resulting film of Texseal is both tough and flexible. As an example of the covering capacity of this coating, about 150-200 sq ft per gal can be achieved when the thickness of the coating is about 2mm. When applied over natural and synthetic rubber, care should be taken that the substrates contain no migratory plasticizer or staining material, otherwise the Texseal will become discoloured.

Vicsteels Ltd., Craven House, 16 Northumberland Avenue, London, W.C.2.

Readers' Information Service Ref. K. 23/11/60.

*

Four-ton Mobile Crane

A new mobile crane of 4ton capacity has been added to the Staffa range of such appliances. The crane has hydraulic luffing gear and is fitted with a double acting ram to speed up the operation of luffing under load. It is more robustly constructed than its predecessors in the Staffa range and has increased visibility from the driving position by means of a new open-type A-Frame. A heavy-duty hoist box has been incorporated together with a new heavy-duty differential and a cast steel axle casing, whilst hydraulic brakes are fitted as standard. The body of the machine is slightly wider than those of previous models, so that all parts are more readily accessible. From a manoeuvrability point of view, the crane will travel down a 6ft 6in gangway or will perform a right-angle turn from a 13ft gangway. Power unit: Ford Dexta three-cylinder water-cooled diesel engine developing 27 b.h.p. at 1,500 r.p.m. with electric self-starting. Tyres: 6 27 x 6 pneumatic tyres with twins on front driving wheels and two on the rear steering trunnion. Chassis, jib and frame: fabricated sections welded and rivetted throughout, with frame reinforced by two high-tensile tie bars. Lighting and electrical equipment: 12V battery. Hoisting speeds: 42ft/min on single fall of rope and 21ft/min on double fall. Travelling speeds: 8 m.p.h. laden and 12 m.p.h.

unladen. Capacity: with standard jib the maximum capacity is 4ton at 3ft clear outreach and 1½ton at 10ft clear outreach.

Chamberlain Plant Ltd., Crown Works, Southbury Road, Enfield, Middx.
Readers' Information Service Ref. L. 23/11/60.

*

Boiler Thermostats

Eighteen new models have been added to the Aquastat range of fast-acting boiler thermostats. Among the new additions are complete control systems for domestic central heating installation, incorporating thermostats, switching relays and transformers in a single unit. The new Aquastat relays will simultaneously control circulator pumps and low- or line-voltage oil-burner relays or gas pilot valves. All system wiring is incorporated in these relays which can be used in conjunction with low- or line-voltage room thermostats. One Aquastat relay in a control system for a typical domestic central heating and hot-water supply installation will maintain constant boiler temperature by controlling an oil-burner relay or gas valve; provide a high-limit safety control for the boiler; and will relay signals to the circulating pump on the central heating line when a room thermostat calls for heat. The Aquastat relay will ensure adequate supplies of hot water before the circulator is switched on. Two, three or more boiler thermostats can be obtained in a single unit and only one boiler tapping is needed. They can be mounted either vertically or horizontally and remote bulb versions of most models are now available. The Aquastat Guide, a handbook for installers, is obtainable from the manufacturers.

Honeywell Controls Ltd., Ruislip Road East, Greenford, Middlesex.
Waxlow 2333.

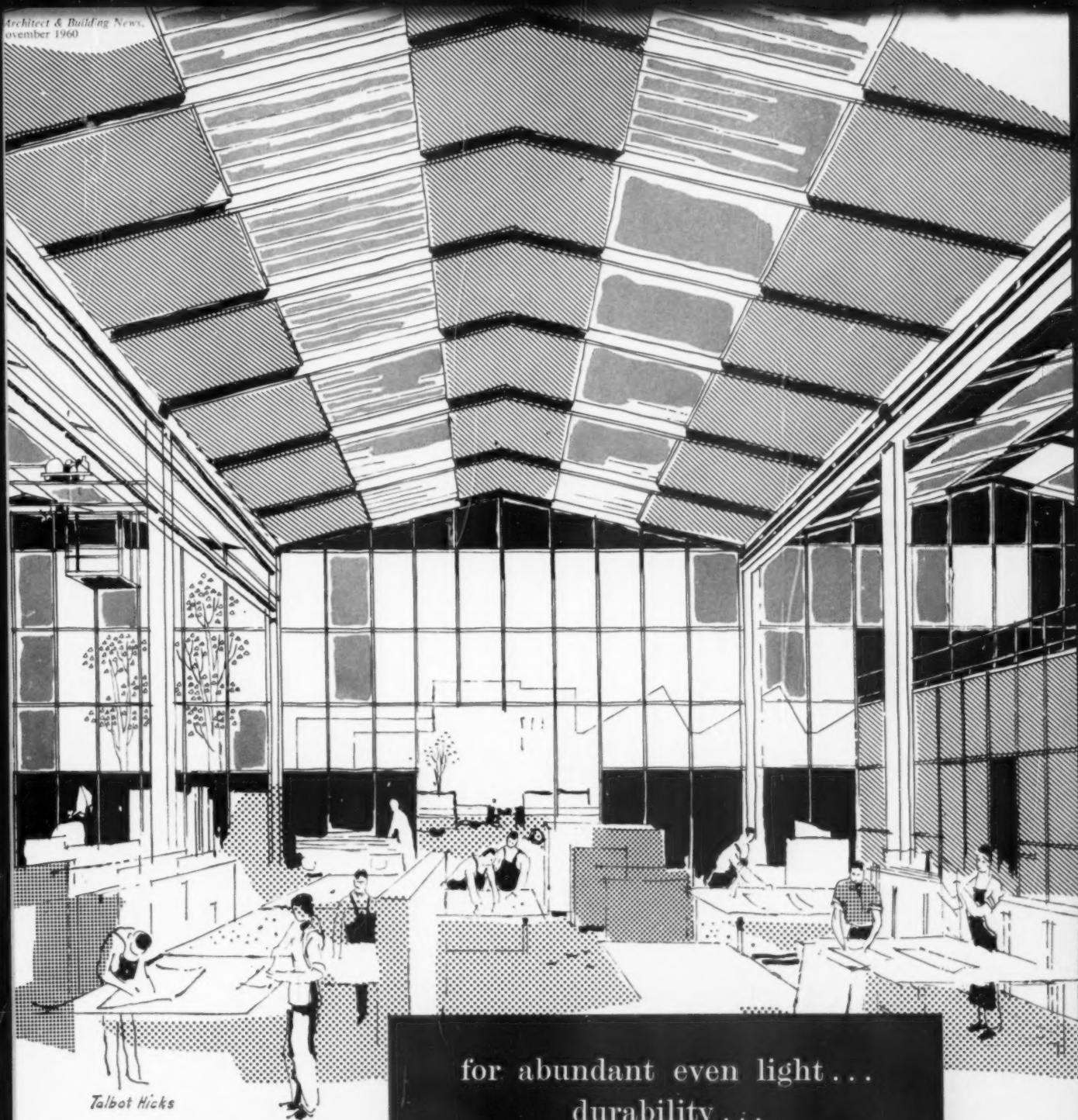
Readers' Information Service Ref. M. 23/11/60.

*

Low-cost Paint Roller

Resulting from the recent installation of automatic machinery in their factory, these manufacturers of paint rollers have produced what they claim to be the lowest-priced natural fabric roller on the market. An addition to the Rolakoton range, the Rapide has all the advantages of the expensive mohair roller, yet is priced at only 16s 6d. It incorporates specially produced long pile fabric suitable for the application of emulsion paints, flat oil paints and all decorative finishes. In common with other Rolakoton rollers, spares are available from all Manger stockists and each part is interchangeable. Delivery time is 7/10 days.

J. Manger & Son Ltd., 57 High Street, Kingsland, London, E.8. Clissold 5307.
Readers' Information Service Ref. N. 23/11/60.



Talbot Hicks

THE PATENT GLAZING CONFERENCE is an old-established trade association representing the interests of specialist sub-contractors engaged in the design, manufacture and installation of Patent Glazing for the daylighting of industrial and other buildings. Its name and symbol is a guarantee that glazing will be carried out by highly skilled craftsmen using the finest of materials.



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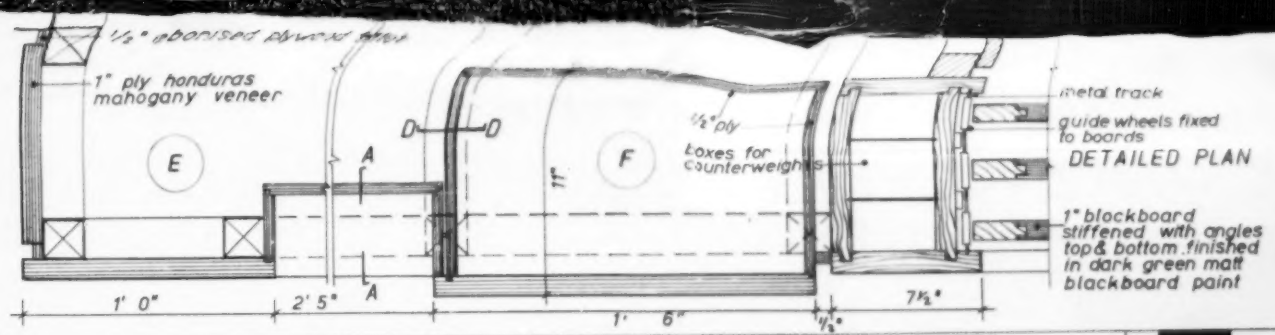
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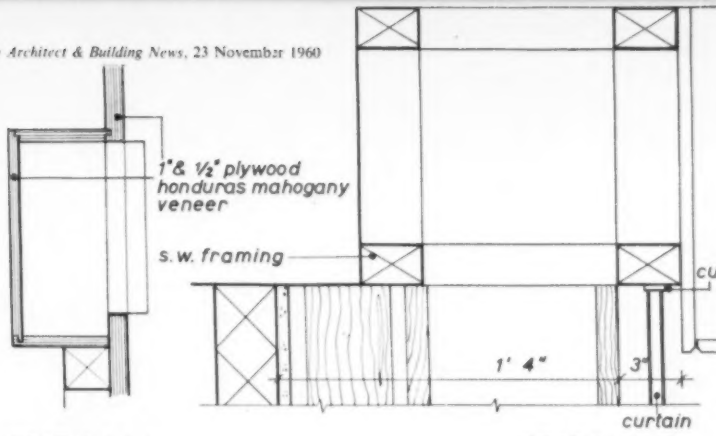
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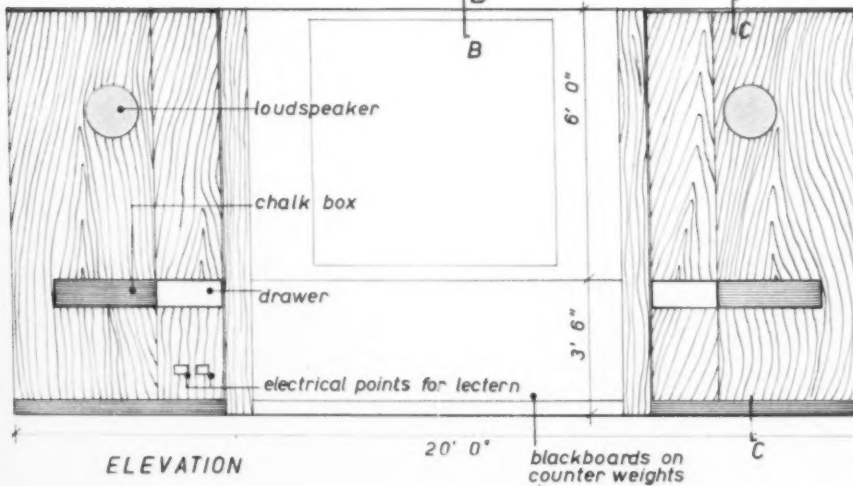
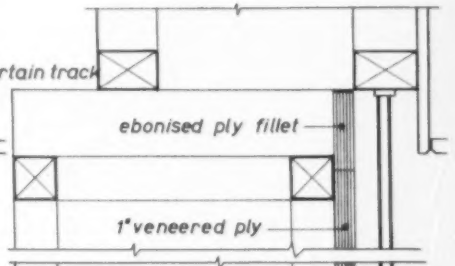
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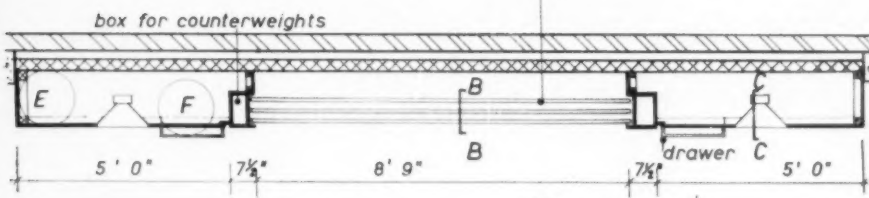


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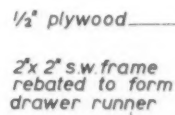
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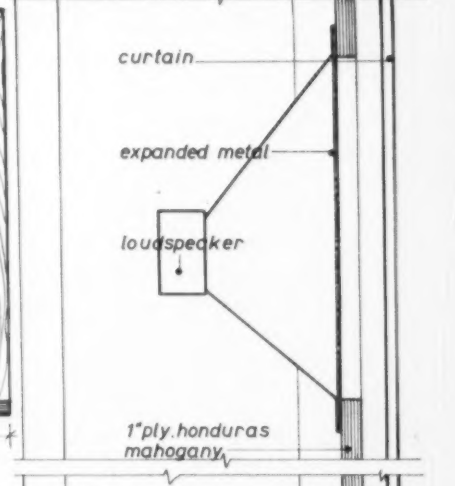
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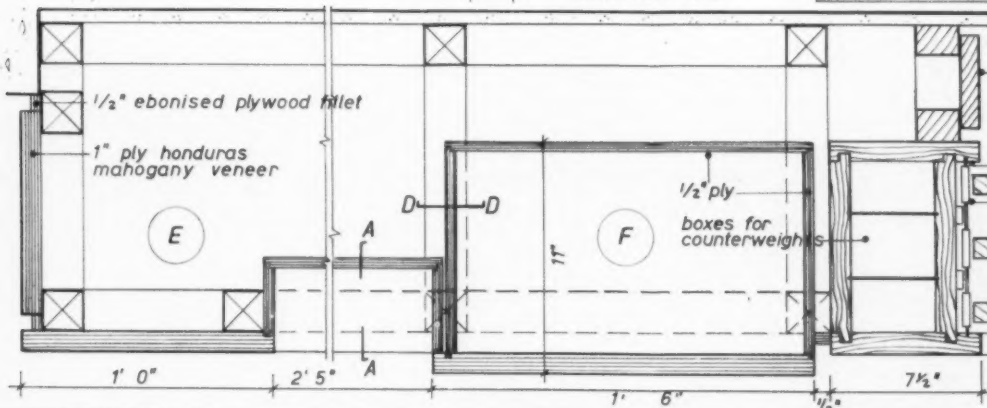
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SECTION D-D



SECTION C-C



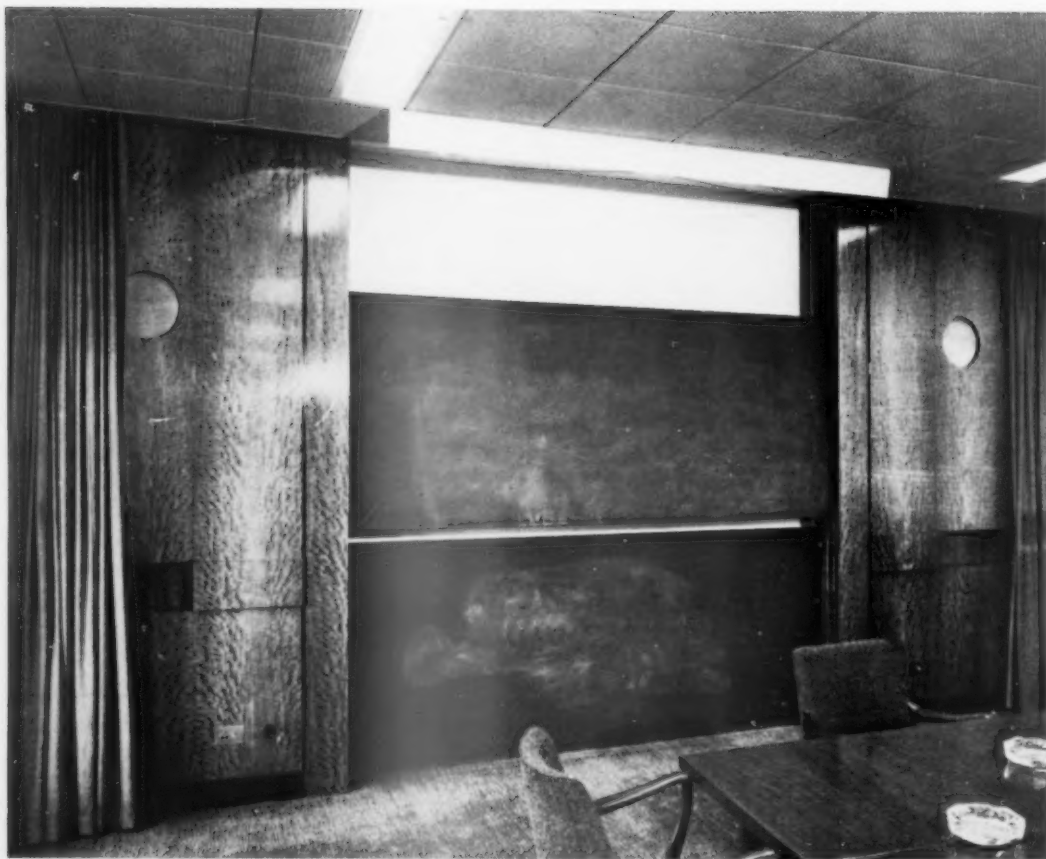
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The Conference Room in the new offices for I.C.I. at Runcorn includes a unit for use as a projection screen. The blackboard is green, and the flanking panels, in Honduras mahogany, contain chalk boxes and loudspeaker units. Electrical connections to the lectern control a buzzer in the projection room so that a lecturer can indicate when he requires slides changing or lights dimming. The carpet is in black and yellow. Architect: Frederick Gibberd

above all...

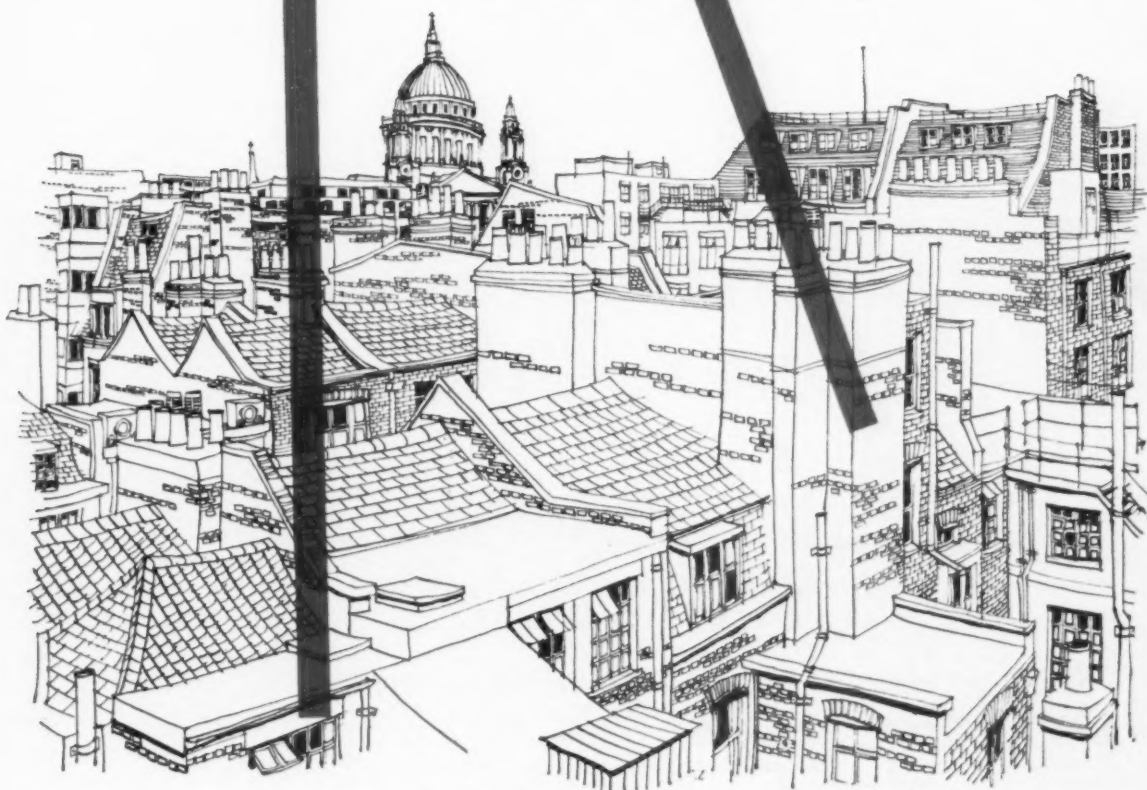
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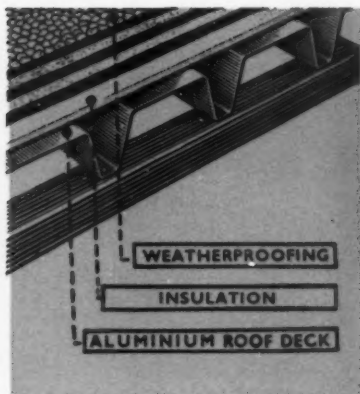
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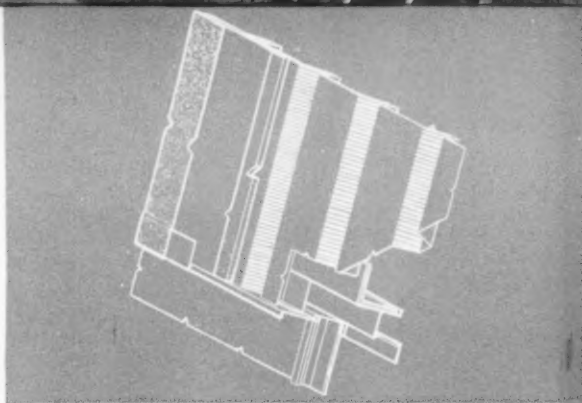


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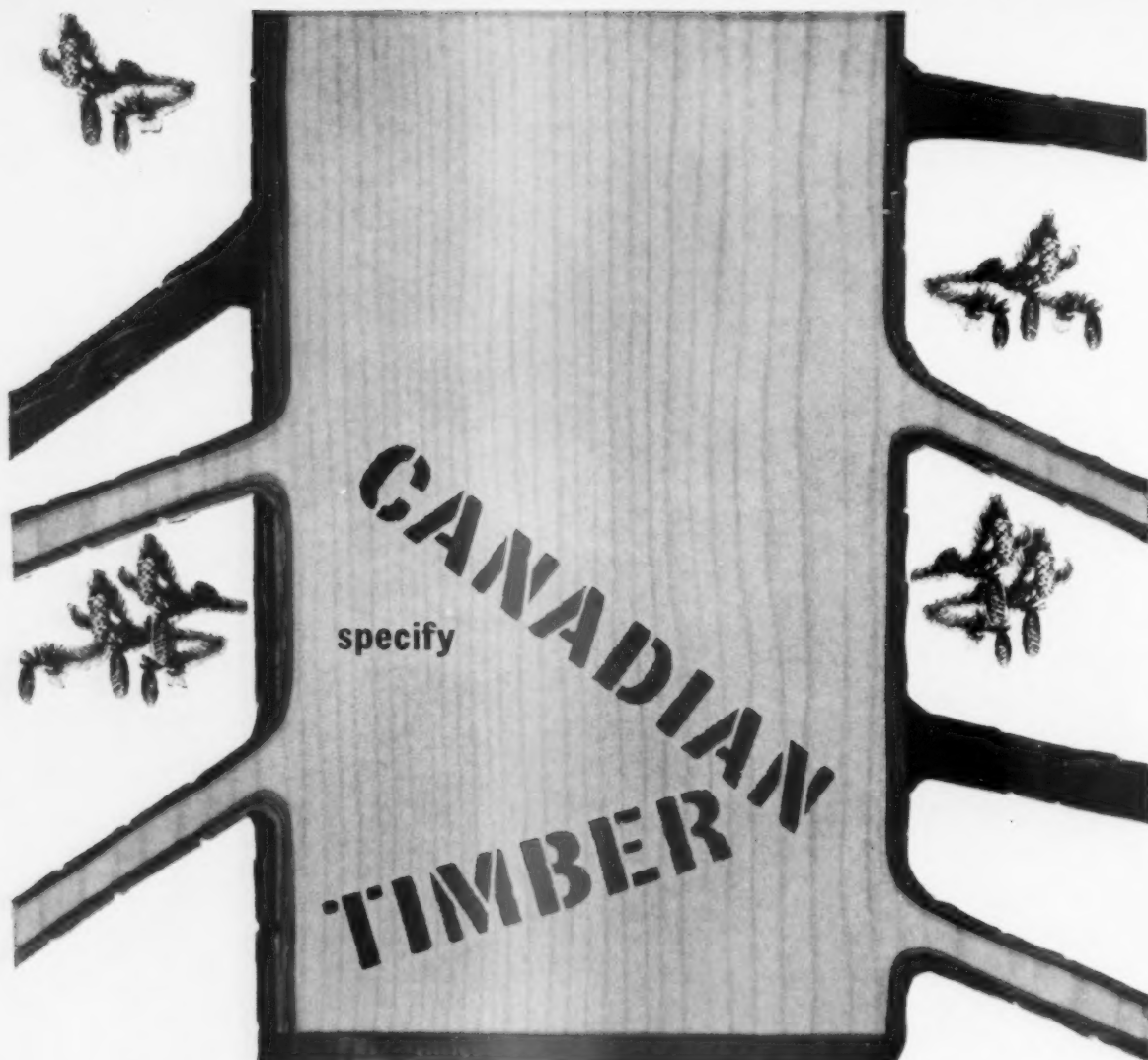
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News

WORK IN PROSPECT

Bangor B.C. has approved plans for a nurses' home at Bryn Menai for the Welsh Regional Hospital Board.

Belfast. Demolition of The Liverpool and London and Globe Insurance Co. Ltd. premises in Wellington Place and erection of new building.

Billingham U.D.C. Unconditional planning approval has been granted for (a) four blocks of five-storey flats at the Low Grange Development Sub Area 1; (b) block of 25 shops and 12 flats in the Town Centre; (c) 43 one-unit garages for private cars and construction of a children's playground in Marsh House Avenue.

Billinghurst. The redevelopment of Ingfield Manor as a school for spastics is being planned.

Bishop Auckland U.D.C. Planning approval has been granted for (a) 28 bungalows including construction of estate roads and formation of vehicular access to Road A68 at West Auckland; (b) public swimming baths on land fronting Woodhouse Lane including construction of car park and estate road with access into Road A6073.

Boldon U.D.C. Planning approval has been granted for 68 houses and construction of street works and sewers on Mill Farm Estate, Whitburn.

Brighton. Erection of (a) factory and office block in Westergate Road, proposed by New Welbeck Ltd.; (b) offices at 61-3 Ship Street; (c) showrooms, offices, flats and workshops at 90-96 Preston Road and 1-5 Springfield Road for Hartley and Midgley Ltd.

Bristol C.C. The airport committee has approved the extension of the main instrument runway at Lulsgate Airport, estimated cost £16,000.

Cambridge. Factory and offices are proposed in East Road for F. Winton Smith Ltd.

Chelmsford Corporation. The housing committee has approved sketch designs for old people's flats comprising four two-storey blocks with three single-storey link blocks providing 21 single-bedroom flats and one two-bedroom flat on the Melbourne Estate.

Chester-le-Street U.D.C. A warehouse, offices and garage are proposed by Howardsgate Holdings Ltd. at Pelaw Hill Farm.

Planning approval has been granted for (a) 14 houses and eight bungalows near Braeside Housing Estate, Edmondsley; (b) 143 dwellings and 54 one-unit garages, construction of estate roads and formation of vehicular access in West Lane.



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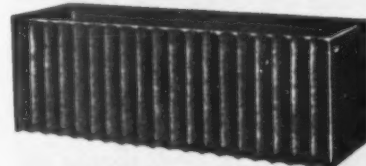
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Coventry Corporation. The airport committee has approved (a) factory for Humber Ltd. in Humber Road; (b) workshop extensions for Harry Ferguson Research Ltd. in Siskin Drive; (c) development of tractor and transport storage depot in Rowley Road for Mortons Ltd.; (d) bakery for Enterprise Bakeries Ltd. in Stonebridge Highway, and test building and store for A. G. E. Martin Ltd. both in the vicinity of the airport.

Crawley. Extensions are planned for K.D.G. Ltd., Manor Royal.

Crook & Willington U.D.C. (Durham). Planning approval has been granted for the erection of four houses and 10 bungalows as the first stage of the redevelopment of Sunnybrow Village.

Darlington R.D.C. (Durham). Planning approval has been granted for the erection of public conveniences and ejector station at Neasham and for public conveniences in Barrington Road, Newton Aycliffe.

Dewsbury Corporation has approved plans for public convenience near Woolpack Inn at Whitley. Tenders are to be invited.

Doncaster Corporation. The Ministry of Education has approved (a) provision of kitchens at Robin infants' school and Our Lady of Mount Carmel RC primary school; (b) revised sketch plans for High Melton training college; (c) sketch plans for Robin county primary school to include a kitchen for 250 meals.

The markets committee has approved the erection of two units of food stalls at Market Hall, estimated cost £3,900.

Durham Corporation. Planning approval has been granted for 12 houses, 20 bungalows, 16 single-bedroom flats and 14 one-unit garages on Newton Hall Estate No. 2, Framwellgate Moor.

Durham C.C. The county planning committee has approved an application from Felling udc for a four-storey block of flats and maisonettes in Carlisle Street, Felling.

Esh Winning (Co. Durham). A factory, offices and canteen are proposed by Tonay Ltd.

Gosforth (Northumberland). Newcastle Regional Hospital Board has plans for an out-patients' department at W. J. Sanderson Orthopaedic Hospital.

Hartlepool Corporation. Erection of 42 private houses and 19 one-unit garages in Millbank Crescent, Corporation Road and Durham Street, 26 houses and construction of roads and footpaths on land north of King Oswy Drive and 30 houses between King Oswy Drive and the railway embankment near Hart Station.

Heanor U.D.C. has approved a proposal for a block of between 15 and 20 one-bedroom flatlets for old people including warden's quarters with alarm bell system and a separate bedroom to be built for emergency sleeping arrangements.

Hebburn U.D.C. Planning approval has been granted for 36 houses and 22 garages in Tyne Street, Cuthbert Street, William Street and Caledonian Street.

Hereford. Erection of an office building at 16a-17 King Street for The Phoenix Assurance Co. Ltd.

Houghton-le-Spring U.D.C. Planning approval has been granted for 32 bungalows in Durham Street.

Hull Corporation has approved the erection of 54 dwellings and eight garages in Greenwood Avenue/Endike Lane, estimated cost £83,718.

Lancashire C.C. has approved a scheme for (a) temporary building at Liverpool I. M. Marsh training college, estimated cost £3,300; (b) supply and erection of a headmaster's prefabricated house including necessary site works for the Nelson Whitehouse Camp school, estimated total cost £3,200.

The health committee has approved a proposal for 39 housing units for the aged on (a) Hunger Hill Estate; (b) the Broadway Estate for Chadderton udc.

London C.C. The Royal College of Veterinary Surgeons propose new headquarters in Wimpole Street, W.1.

The Trinity College of Music, Mandeville Place, W.1, is to be reconstructed.

The education committee has approved a scheme for (a) building for science laboratory and school meals at Addey and Stanhope school, Septford, estimated cost £72,390; (b) extension of Brunswick Park county primary school, Peckham, estimated cost £20,720; (c) adaptations for science laboratory, art and pottery room and two woodwork shops, etc., at Searles Road school, Southwark, estimated cost £11,680; (d) for a secondary school for about 1,650 boys in Lollard Street, Lambeth, cost £673,105.

The welfare committee has approved plans for a home for 125 old people at Warwick Crescent, Paddington, cost £192,750.

The Ministry of Education has (a) agreed to the enlargement of Furzedown training college at Streatham, estimated cost £571,900; (b) approved a revised scheme for adaptation and equipment of 'C' Block at 'Hillside', Islington, to provide a self-contained unit for 34 infirm men, staff changing rooms and a club centre for local handicapped people, estimated cost £29,925.

Middlesex C.C. The education committee has approved (a) the erection of a community centre for Ealing, Oldfield and Woodend, estimated cost £20,000; (b) revised planning for the first stage of extensions and adaptations to Copthall county girls' school, Hendon, estimated cost £18,570; (c) a scheme for two-storey classroom block at Southall technical college, estimated cost £7,624.

Newport (Mon) Corporation. The education committee has approved plans for the third and final phase of Duffryn high school.

The housing committee has approved draft layout for Ringland Neighbourhood shopping centre. In the first stage, 23 shops will be provided, 16 of which will have maisonettes over. Provision is also made for a branch library and public conveniences, etc.

Northampton Corporation. The Ministry of Education has approved revised sketch plans for the Kingsthorpe CE primary school.

The housing committee has approved the erection of 31 two- and three-bedroom houses in Althorp Street, 22 in Chalk Lane, 13 small dwellings in Althorp Street, 14 in Whiston Road and six in Leicester Street.

Norwich Corporation. The welfare committee proposes a 30-bed hostel for old people to replace Hill House, Hethersett, cost £40,300.

Nottingham. A five-storey block of shops and offices in King Street is proposed by Land and General Developments Ltd.

Nuneaton. Rebuilding of King Edward VI grammar school on the existing site, cost £135,000.

Reading Corporation. The education committee has approved (a) in principle for submission to the Ministry of Education plans for the proposed Alfred Sutton secondary girls' school; (b) working drawings for the proposed laboratories at Ashmead secondary boys' school, estimated cost £14,000.

St. Asaph (N. Wales). Extensions to factory in Glascoed Road are proposed by Pilkington Bros. Ltd.

Welwyn Garden City (Herts). Erection of new premises at Howardsgate for Cambridge and District Trustees Bank.

Wombwell (Barnsley, Yorks). The trustees of the Mitchell and Darfield Main Miners Welfare Institute have approved plans for a new institute in Barnsley Road.

SUBMISSIONS FOR PLANNING AND BYE-LAW APPROVAL

Hereford C.C. Plans submitted for (1) erection of (a) two-storey classroom block at St. Martins CP school and youth club in Ross Road, both for the county architect; (b) shop and warehouse in Widemarsh Street for Norman Thorne Ltd.; (c) 17 garages in Canonmoor Street, 28 garages in Mansbridge Avenue, Portfields, 30 garages at Golden Post, Hunderton, 28 garages in Belmont Road, Hunderton and 13 garages in Cagebrook Avenue, Hunderton, all for the City Council; (2) rebuilding of offices at 16a and 17 King Street for Phoenix Assurance Co. Ltd.; (3) construction of works canteen at Phoenix Works, Commercial Road, for Westland Motor Co. Ltd.

Manchester. Plans submitted for (1) erection of (a) bottling stores at Newton Heath Brewery; (b) two two-storey and five single-storey warehouses in Sherborne Street and Broughton Road, Cheetham; (2) extension (a) of fermenting room to Wilson's Brewery, Monsall Road; (b) to factory at 5-9 Duke Street; (c) to high vacuum shop at Alma Works, Hardiker Street; (d) to works in Bradnor Road, Northenden; (d) to the Institute for the Deaf, Grosvenor Street.

Portsmouth C.C. Plans submitted for (1) erection of (a) 19 one-unit garages in Dorking Crescent, Cosham, for Mrs. I. Hughes; (b) block of six old people's flats at St. Georges Square, Portsea, for The Alderman Joe Davidson Memorial Charity Trust; (c) office with flat over at 29/31 New Road, Buckland, for The Carrick Investment Co.; (d) six houses and garages in Meon Road and garage for No. 35 Hollam Road for A. R. Merritt & Co. Ltd.; (e) additional bedroom accommodation, five garages and

three stores at Pendragon Hotel, Clarence Parade, Southsea, for Trust Houses Ltd.; (f) factory and offices in Fitzherbert Road, Farlington, for Land & Commercial Holdings Ltd.; (g) warehouse and offices in Portsmouth Road, Cosham, for Collis & Co. Ltd.; (2) alterations to licensed premises in Clarendon Road, Southsea, for Brickwoods Ltd.; (3) alterations and additional toilet accommodation at Odeon Cinema, London Road, North End, for Circuits Management Association Ltd.; (4) extension to business premises at 80 London Road, North End, for Smith & Vosper Ltd.

Rotherham Corporation. Plans submitted for (1) erection of research building in Sheffield Road for Steel, Peach & Tozer Ltd. (2) extensions to foundry in Masborough Street for William Heaton & Co. Ltd.

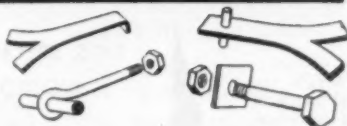
Southgate B.C. Plans submitted for (1) erection of (a) offices at 309 Chase Side for Snellgrove & Sutton; (b) vicarage at St. Paul's Church, Woodland Road, for Cecil Brown; (2) conversion into flat of (a) 36 Green Dragon Lane for Buck & Wilkinson; (b) 36 The Mall for Edwin Brown & Garlands; (c) 65 Grovelands Road for Bader & Miller; (3) outline for (a) block of four maisonettes and garages at 17 Park Avenue for Vine & Vine; (b) single-storey extension for surgery and waiting room at 8 Bourne Hill, David du R. Aberdeen & Partners, for J. Cowen; (c) two-storey building for hall and classrooms at Palmers Green Congregational Church, Fox Lane, for B. Smith; (d) three-storey building for shops with offices over at 4 Chase Side for Watney Mann Property Co. Ltd.

Southwark B.C. Plans submitted for (1) erection of (a) two blocks of four-storey flats (40 dwellings) in Long Lane and Crosby Row for A. Miller (Haulage) Ltd.; (b) car showroom in Camberwell Road for B. & L. Coachcraft Ltd.; (c) single-storey warehouse and two-storey office block with basement car park for W. S. Fry Ltd. per

W. E. Randall & Sons; (d) church hall in Liverpool Grove, White & Traviss for Rev. H. H. Hinds; (e) case warehouse with transit bay, beer storage, bottling hall and plant room block in Park Street, Sir Alexander Gibb & Partners for Courage & Barclay Ltd.; (f) six-storey office block with basement car park in Southwark Street for C. E. Parket & J. S. Cohen; (2) rebuilding of bombed wing and restoration of existing building in St. Thomas Street for M. Bebb.

Worthing Corporation. Plans submitted for (1) erection of (a) two-storey block of six

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flats with garages in Alinora Avenue/Alinora Crescent, W. F. G. Latter for Worthing Estates Building Co. Ltd.; (b) licensed premises in The Causeway and The Strand, submitted by Tiltman & Howard for Whitbread & Co. Ltd.; (c) five detached bungalows and garages in Aldsworth Avenue, A. C. Draycott for Hesketh Estates Ltd.; (d) 34 houses in pairs and terraces with 22 garages at 55-60, 67-82 and 111-122 Cedar Avenue and new close off Mardale Road, Kendrick Findlay & Partners for Durrington Building Co. Ltd.; (e) 38 houses in pairs and terraces and 53 garages at 45-54 and 83-110 Cedar Avenue, Mardale Road and new close off Mardale Road, Kendrick Findlay & Partners for D.P.X. Properties Ltd.; (f) eight shops with eight flats on two floors over, bank with offices over, seven garages and seven car ports in Aldsworth Avenue/Goring Way, H. Hubbard Ford & Associates for Hesketh Estates Ltd.; (g) single-storey post office in George V Avenue for the Ministry of Works; (h) public conveniences (i) off Western Road (Brooklands); (ii) in Marine Drive, both for the Corporation; (i) block of six flats with garages in Mulberry Lane, James & Bywaters for R. J. Jarvis; (j) four shops with offices, showrooms and semi-contained flat over in Brooklyn Avenue/Goring Road, Read & Loveless for Trading Trust & Loan Co.; (2) revised proposals for (a) office and laboratory off Clarendon Road, and fine chemicals building in Clarendon Road, R. H. Husband for C. L. Bencard Ltd.; (b) shops etc. in The Strand, Read & Loveless for Field Place Estates Ltd.; (c) block of 10-storey flats with 38 garages at 103-107 Brighton Road, Botch & Partners for Westminster Construction Co. Ltd.; (d) alterations and additions to Rural District Council offices, D. M. McKerchar for Worthing RDC; (3) outline for (a) two-storey block of six old people's flatlets at 49-53 Penfold Road, L. F. Mills for C. B. Fry; (b) six bungalows and construction of access road off Mill Lane, Jordan & Cook for H. D. Tribe; (c) 126 semi-contained flats including penthouse, covered car park for 127 cars at 19 Heene Road, Goldsmith & Pennells for Heaven (Constructions) Ltd.

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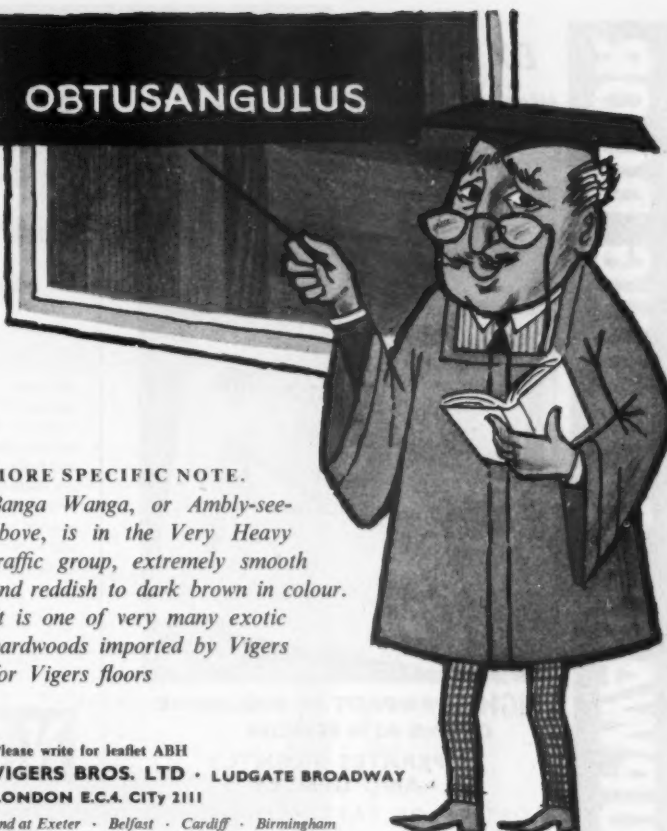
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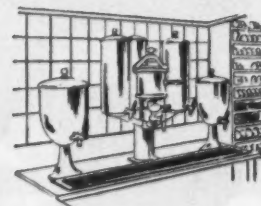
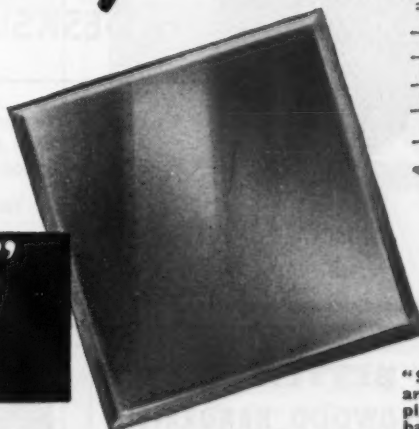
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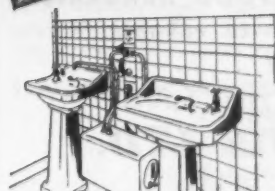
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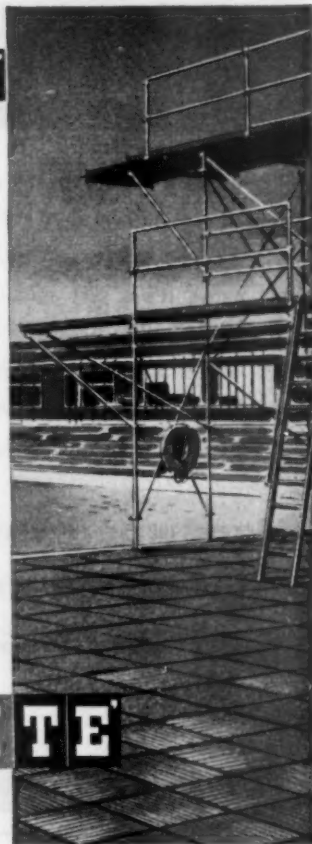
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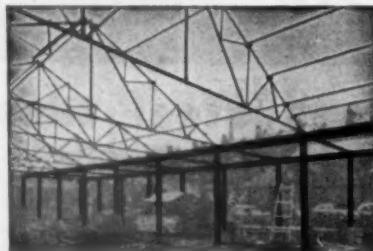
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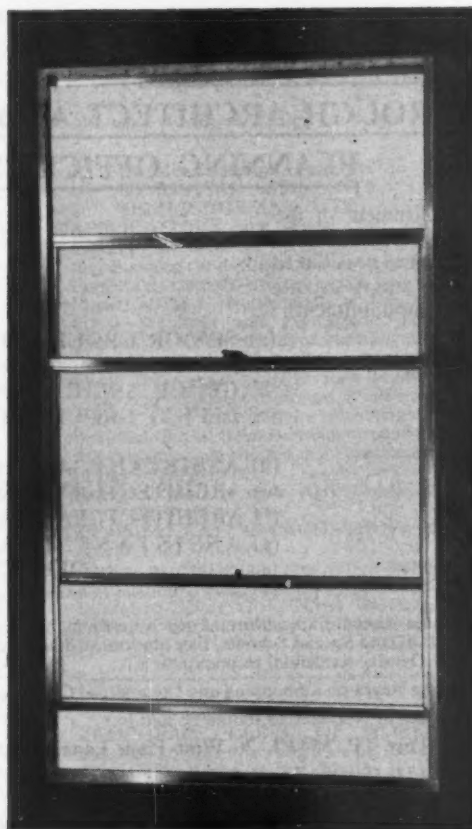
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COUNTY BOROUGH OF WEST HAM

BOROUGH ARCHITECT AND

PLANNING OFFICER'S DEPARTMENT

Following a review of the Establishment of the Department consequent upon an increased Capital Works Programme, it is now possible to invite applications from Architects and Assistants for the following permanent appointments:

- (a) SENIOR GROUP ARCHITECT : £1,485—£1,670
and Essential User Car Allowance
- (b) GROUP ARCHITECTS (TWO) : £1,310—£1,480
- (c) DEPUTY GROUP ARCHITECTS
(FOUR) : £1,140—£1,310
- (d) ASSISTANT ARCHITECT : £840—£1,145
- (e) ARCHITECTURAL ASSISTANT : £815—£1,145
- (f) ARCHITECTURAL ASSISTANT : £645—£960
- (g) ASSISTANT PLANNING
OFFICER (TWO) : £1,140—£1,310

Posts (b)—(g) carry additional London Allowance in the range £25—£45 p.a.

The programme, running at an estimated Annual Expenditure of over £2 million, consists of a large and varied number of projects, including Primary, Secondary, and Special Schools, Fire Stations, Clinics, and other public buildings, as well as extensive Slum Clearance and High Density residential reconstruction.

Work is also in the preliminary planning stages on a Shopping and Commercial Centre, covering approximately 18 acres.

Applications giving full details and names of two referees should be sent to:

Thomas E. North, OBE, FRIBA, Dist TP, MTPI, 70 West Ham Lane, Stratford, E.15, by first post on
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Write for illustrated brochure to: **ERNEST BATLEY LIMITED**, 96 Colledge Road, Holbrooks, Coventry. Tel. 89245/6
Manchester Office: 96 New Islington, Manchester 4; Collyhurst 2887. **London Office**: 123 Shepperton Road, N.1; Canonbury 8793

Official Announcements

APPOINTMENTS CONTRACTS TENDERS

Close for press • first post Monday for following Wednesday issue. Rates • 25s per inch and pro rata, minimum half inch.

APPOINTMENTS

Crawley Development Corporation requires:

(a) Assistant Architect, APT III-IV (£960-£1,310).
(b) Junior Assistant Architect, APT I-II (£645-£960).
(c) Architectural Draughtsman, Salary according to experience.
Candidates for post (a) must be Associates of the RIBA and for post (b) to Intermediate RIBA standard.
Candidates for post (c) should have had experience in Architectural Drawing Offices.
The Architects' Department is at present engaged upon a varied and interesting programme of Housing, Commercial and Industrial projects, etc. and Swimming Bath. Five-day week. Housing may be provided if required. Landscape experience an advantage.
Apply on forms from Chief Architect (Vacancy), Broadfield, Crawley, Sussex, by 10th December, 1960. [7285]

AIR MINISTRY Works Designs Branch requires in London and Provinces **ARCHITECTURAL ASSISTANTS** with adequate training and drawing office exp. **ONC (Building)** an advantage. Work includes site layouts, sketch plans, working drawings and details for variety of technical and domestic buildings in permanent and semi-permanent construction. Financial assistance and time off given for recognized courses of study. Promotion and pension prospects. Five-day week with 18 days' paid leave per year initially. Overseas tours for which special allowances granted.
Salary: in London ranges from £805 (age 25) to £980 p.a. somewhat lower in Provinces. Commencing salary dependent on age, quals, and exp. Applicants, who must be natural born British subjects, should write (quoting Order No. Kings Cross 897) to Air Ministry, W.G.d., Lacon House, Theobalds Road, London, W.C.1, or to any Employment Exchange giving age, details of training, quals., full particulars of former posts held and copies of any testimonials. Candidates selected will normally be interviewed in London and certain expenses reimbursed. [0353]

Swindon Education Committee TECHNICAL ASSISTANTS (BUILDINGS AND SITES)

APPLICATIONS are invited for the appointment of a Technical Assistant in the Building and Sites Section of the Education Department, to assist in the Inspection and Maintenance of Educational Buildings and Equipment. The post offers excellent opportunities for supervisory and administrative experience under appropriate guidance in a rapidly expanding educational service. Preference will be given to candidates with Higher National Certificate in Building or equivalent qualifications and practical experience in the building trade.

Salary within the scale APT Grade II (£815-£960 per annum).

HOUSING ACCOMMODATION is offered.

Further particulars and application forms may be obtained from the Borough Education Officer, Civic Offices, Swindon, and must be returned by 8th December, 1960. [7306]

Welsh Regional Hospital Board TEMPORARY CLERK OF WORKS

required to supervise erection of Linear Accelerator Suite at the South Wales Radiotherapy Hospital, Whitchurch, Cardiff.

SALARY: £960 per annum. Superannuated post.

Applicants should have sound knowledge of building construction, be competent in the interpretation of Architects' drawings and specifications, the setting out of works and keeping of records, etc. As portions of the work will involve construction of an intricate and specialist nature, comprehensive experience of all classes of reinforced concrete work together with experience in batch mixing, taking of samples and concrete testing is essential. Possession of a recognised qualification would be an advantage. Appointment is subject to passing a medical examination satisfactorily.

Applications stating age, education, qualifications, experience, present position and salary and names of two referees to Secretary, Temple of Peace and Health, Cathays Park, Cardiff, by 30th November, 1960. [7288]

Australia

GOVERNMENT OF QUEENSLAND VACANCIES FOR ARCHITECTS & QUANTITY SURVEYORS

Applications, closing 31st December, 1960, are invited for appointment to the following positions in the Department of Public Works, in Queensland—age limit 45 years.

Position	Salary Range	
	Mini-	Maxi-
	AE	AE
Senior Architect (General)	2,610	2,680
Senior Architect (Design)	2,610	2,680
Architect, Division I (General)	2,355	2,430
Architect, Division I (Design)	2,355	2,430
Structural Designer	2,355	2,430
Architect, Division II	1,875	2,055
Architect, Division III	1,505	1,805
Quantity Surveyor, Division I	2,230	2,305

APPLICATION FORM AND FURTHER DETAILS may be obtained from the AGENT-GENERAL FOR QUEENSLAND, 409/410 Strand, LONDON, W.C.2. [7279]

ARCHITECTS

UNIVERSITY GRANTS COMMITTEE University Grants Committee require unestablished Architects to work as members of small team engaged on design of university hall of residence. Applicants must be registered Architects, previous office experience desirable but not essential. Salary range: £830-£1,300 (London) p.a. Forms from Ministry of Labour, Technical and Scientific Register (K), 26, King Street, London, S.W.1. Quoting J.309/OA. [7281]

Basildon Development Corporation

Department of Architecture and Planning (i) Architects required by Chief Architect/Planner to form groups engaged on the comprehensive design of major Town Centre, Industrial and Housing Development. The Town is less than half way towards its ultimate development as The largest New Town, and excellent opportunity exists.

Appointments are available within the range £935 to £1,670 per annum.

(ii) Architectural Assistants, up to intermediate standard and Draughtsmen are required to support the groups, in appointments within the range £645 to £935. Posts are superannuable and a house or flat can be provided.

Please reply immediately to the General Manager, Basildon Development Corporation, Gifford House, Basildon, Essex, stating age, training, qualifications, experience and salary required. [7297]

Flintshire County Council INVITE APPLICATIONS FOR QUANTITY SURVEYOR (SENIOR)

Candidates should be Associates of the RICS Quantities (Sub-section), with four years' practical experience as Quantity Surveyors since passing Final examination.

Salary APT V (£1,310-£1,480 p.a.). Form of application from Clerk of the County Council, County Buildings (P.O. Box No. 1), Mold. Closing date 12th December, 1960. [7302]

COUNTY BOROUGH OF EAST HAM—ARCHITECTS

Applications are invited for the following temporary appointments:

SENIOR ASSISTANT ARCHITECTS SALARY £1,330 — £1,500

Salaries in excess of the minimum may be paid according to qualifications and experience. The appointments are for work on a new Technical College costing more than £700,000 and are expected to be for a period of not less than two years.

Further details and application forms returnable by 6th December 1960 from the Town Clerk, Town Hall, East Ham, E.6.

Official Announcements

APPOINTMENTS (cont)

Borough of Enfield

Borough Engineer & Surveyor's Department.

Non-County Borough in the County of Middlesex—Population 109,700. Area 12,400 acres.

APPLICATIONS are invited, from suitably qualified persons, for the following permanent appointments:

1. ASSISTANT ARCHITECT—APT IV—£1,140-£1,310 plus London Weighting.
2. ARCHITECTURAL ASSISTANTS (2 No.)—APT III—£960-£1,140 plus London Weighting.

The commencing salary will be fixed at points within the scale commensurate with qualifications and experience.

There is a large varied programme of work, including the redevelopment of Clearance Areas and other areas scheduled for Comprehensive Development.

HOUSING ACCOMMODATION may be made available in appropriate cases. The Council is also prepared to consider 100% advances to successful applicants for house purchase within the Borough. Saturday mornings are normally free from duty.

Application forms, obtainable from H. D. Peake, MSc(Eng), MICE, Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middlesex, must be returned as soon as possible.

CYRIL E. C. R. PLATTEN,
Public Offices, Town Clerk.
Gentleman's Row,
Enfield, Middx.
25 October, 1960. [0842]

Urban District Council of Corby JUNIOR ARCHITECTURAL ASSISTANT

GRADE APT I or II

APPLICATIONS are invited for the above appointment in the Architectural Section of the Engineer and Surveyor's Department.

Applicants must have passed the RIBA Intermediate Examination or its equivalent at one of the recognised schools of architecture and the salary applicable to candidates of not less than one year's subsequent experience in an architectural office will be in accordance with APT Grade II (£815-£960 p.a.). The salary, otherwise, will be in accordance with Grade APT I (£645-£815 p.a.).

The provisions of the Local Government Superannuation Acts, 1937/53, will apply to this appointment.

Housing accommodation will be made available to the successful candidate if married.

Forms of application may be obtained from the undersigned, to whom they should be returned not later than the first post on Saturday, 3rd December, 1960. Testimonials will be required only from applicants selected for interview.

G. B. BLACKALL,
Clerk of the Council.
Council Offices,
CORBY,
Northants.
14th November, 1960. [7284]

City of Cambridge ASSISTANT ARCHITECTS

A number of posts exist in the Architects' Section for which keen and competent assistants are required.

Assistants are given full responsibility for their own jobs, including site supervision, and the posts offer excellent opportunities to obtain and/or widen all round experience in design, construction and contract administration.

(a) One Senior Assistant Architect (Housing).

APT Grade IV (£1,140-£1,310 p.a.).

To take charge of drawing office work in connection with the housing programme. Experience of multi-storey structures would be an advantage. Placing on scale according to qualifications, etc., which should be at least ARIBA, and five years' office experience. Casual users car allowance payable for official duties.

(b) Three Assistant Architects (Schools and General).

APT Grade III (£960-£1,140 p.a.).

Applicants should have had good general experience and be at Final RIBA stage. Placing on scale as appropriate.

HOUSING ACCOMMODATION will be available in approved cases.

Application forms may be obtained from the City Surveyor, The Guildhall, Cambridge, and should be returned not later than Friday, 16th December, 1960.

ALAN H. I. SWIFT,
Town Clerk.
The Guildhall,
Cambridge. [7300]

City of Birmingham

APPLICATIONS are invited from suitably qualified candidates for appointments as ASSISTANT ARCHITECTS in the City Architect's Department at commencing salaries according to experience and capabilities within grade APT IV, £1,140-£1,310 per annum.

A large new Exhibition Hall with multi-storey Car Park and other Public Buildings, forming part of the New Civic Centre plan, are included in a building programme which also comprises Schools, Technical Colleges, Colleges of Further Education, and schemes of Comprehensive Building Developments, including Tall Blocks of Dwellings, Shopping Centres and Ancillary Buildings.

A great opportunity exists for enthusiastic and imaginative architects who wish to assist in work of such architectural importance.

A pension scheme. Five-day week. Medical examination.

Applications stating age, present position and salary, qualifications, experience and two referees to reach the undersigned by 9th December, 1960.

A. G. SHEPPARD FIDLER,
City Architect.
Civic Centre,
Birmingham I. [7305]

ARCHITECTURAL ASSISTANTS for London and the Provinces. Keen and enthusiastic assistants of Intermediate RIBA standard required by Ministry of Works for design of interesting and varied types of buildings in all parts of the world. Salary range is from £600 (at age 21) to £980 per annum, London (slightly less elsewhere). Starting pay according to age and experience. Five-day week; 3½ weeks' annual leave initially. Prospects of promotion with salaries rising to £1,435 per annum, London. Opportunities for permanent, (non-contributory) pensionable posts. Apply, giving details of age, training and experience to: E. Bedford, Esq., CB, CVO, ARIBA, Chief Architect, Ministry of Works ABN, Abell House, Room 427, John Islip Street, London, S.W.1. Interviews will be held in London and at Regional Offices where possible. [0835]

ARCHITECTURAL APPOINTMENTS VACANT

ARCHITECTURAL ASSISTANT, London. Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667. [0079]

A VACANCY occurs in the West End Branch of large provincial Architectural Practice, for an assistant at Intermediate standard. The post offers considerable scope on varied projects. Five day week, Luncheon Vouchers. Write giving particulars of age, experience and salary required, to Box No. 2485. [0836]

A QUALIFIED Architectural Assistant required immediately in Home Counties office. Successful applicant will have the opportunity of working on widely varying industrial, commercial and housing schemes. Five day week. Write full particulars to Box 2486. [0837]

TWO FIRST-CLASS ARCHITECTURAL ASSISTANTS required. Salary range £1,250-£1,750 per annum, depending upon experience. Write with fullest details of experience Box 2500. [0839]

ASSISTANT required by London Architects for general practice. Possible partnership later for suitable man. Write stating experience, age, and salary required and when available, to Box 2542. [7233]

ARCHITECTURAL STAFF required for Eastbourne and Hastings Offices. Good salaries and prospects according to experience and ability. Apply to B. Stevens and Partners, 31 Cornfield Road, Eastbourne. [7239]

CITY ARCHITECTS require an assistant in widely varied and interesting practice, principally in London and Home Counties. Hospitals, Flats, School and Public House works. Good all round experience on working drawings and work supervision, and able to take full control of a number of moderate size projects. Salary up to £900 per year. Apply Stewart & Hendry, F/A/FRIBA, AMPTI, Chartered Architects, 90 Fenchurch Street, London, E.C.3. Royal 6216-7, 5716. [7266]

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SENIOR AND ASSISTANT MEASURING SURVEYORS

for large and interesting Contracts in the West and Northern Counties. Write giving full details of previous experience, age and salary required to:

Chief Surveyor, 6 Lambeth Road, London, S.E.1

Official Announcements

ARCHITECTURAL APPOINT- MENTS VACANT (cont)

CASSIDY, FARRINGTON AND DENNYS, of 139a Kensington High Street, London, W.8, Tel. WES 6156, require ASSISTANT of Intermediate standard with previous experience. Five-day week. Luncheon vouchers. Salary according to ability. [7249]

ARCHITECTURAL ASSISTANT required with at least two years' office experience. Apply in writing to Thomas Mitchell & Partners, 20 Bedford Square, London, W.C.1. [0916]

WEST END OFFICE requires Assistant Architects of Final and Intermediate Standards for interesting industrial projects in Home Counties. Good salaries offered to men with initiative and ability. Bonus scheme, five-day week, holiday arrangements honoured. Box 0627. [0380]

ARCHITECTURAL ASSISTANT, Intermediate standard. Busy London office. Good prospects. Box 3658. [0080]

ASSISTANT ARCHITECT required by Hasker & Hall, for responsible position in their London Office, 13 Welbeck Street, W.1. (WEL. 0061). [0833]

SENIOR ASSISTANT required by Hasker & Hall, in their office in Warwickshire. Good salary, with scope for initiative and responsibility. [0834]

Write Longdon House, High Street, Knowle, or telephone Knowle (Birmingham) 3502. [0834]

BASIL SPENCE & PARTNERS require qualified and experienced Architects to fill positions of responsibility on a major building programme. Write to 48 Queen Anne Street, W.1, stating experience and salary required. [0740]

ELIE MAYORCAS requires architectural assistants with a minimum of three years' office experience in this country. Write, giving brief particulars of architectural education and experience, and salary required, to: 13 David Mews, Baker Street, W.1. [0360]

ASSISTANT ARCHITECTS required for staffing a new office opening in Southampton for work on interesting programmes for Universities, the War Department and Ecclesiastical projects. Juniors also required.

Apply stating age, qualifications, experience and salary required to Robert Potter, FRIBA, and Richard Hare, BArch, ARIBA, of De Vaux House, Salisbury. [0337]

HOWARD V. LOBB & PARTNERS require assistant architects. Salaries would be between £750 and £1,250 per year. Please write to 20 Gower Street, London, W.C.1. [0352]

DEVEREUX & DAVIES require capable and enthusiastic assistant architects, salary £1,000 per annum or according to experience and ability.—Devereux & Davies, 3 Gower Street, Bedford Square, London, W.C.1. [0660]

WILLIAM H. ROBBINS, ARIBA, requires ARCHITECTURAL ASSISTANTS of Final and Intermediate standard for interesting work in expanding office. Applicants should be experienced in design and construction and taking responsibility. Excellent opportunity of advancement; salary range from £750 to £1,400 per annum according to experience. Five-day week. Apply to 77 Wigmore Street, London, W.1. WELbeck 0274/5. [0832]

WILLIAM RYDER requires assistants in the salary range £800 to £1,100 according to age and experience. Hours 9.30 to 5.30. Five day week. Apply in writing to 21 Bruton Street, Berkeley Square, W.1. [7246]

LOUIS DE SOISSONS, PEACOCK, HODGES, ROBERTSON & FRASER require competent Assistants, both senior and junior, for appointments in their Exeter and Plymouth Offices; good salaries will be offered to suitable applicants. Applications giving details of age, training and experience, should be sent to 12 Baring Crescent, Exeter. [7152]

ARCHITECTURAL ASSISTANT required with at least two years' office experience. Good salaries based on age and experience. Snailum & Le Fevre, 18 Brock Street, Bath. [7247]

ASSISTANT ARCHITECT required. Final or near Final standard, car driver, capable of works from sketch plan to completion. Commencing salary £800 to £1,000 according to experience. Good prospects. Particulars to D. B. Lawrence, ARIBA, 59a Southgate, Sleaford. [7293]

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[7295]

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[7299]

ARCHITECTURAL ASSISTANT required of Intermediate Standard or higher, for Norwich Architects. Good salary in accordance with experience, plus bonus. Write giving details of age and previous experience. Feilden and Mawson, A/ARIBA, 71a The Close, Norwich.

[7287]

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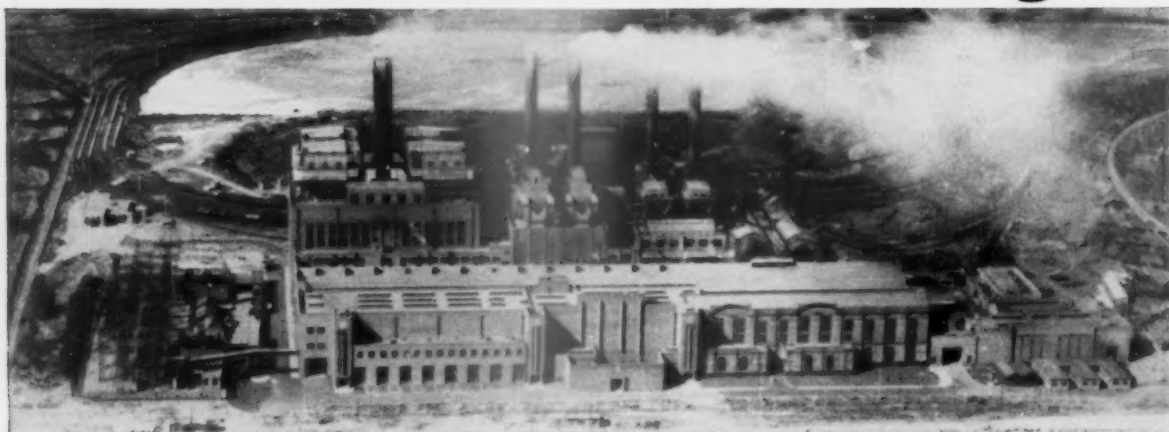
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